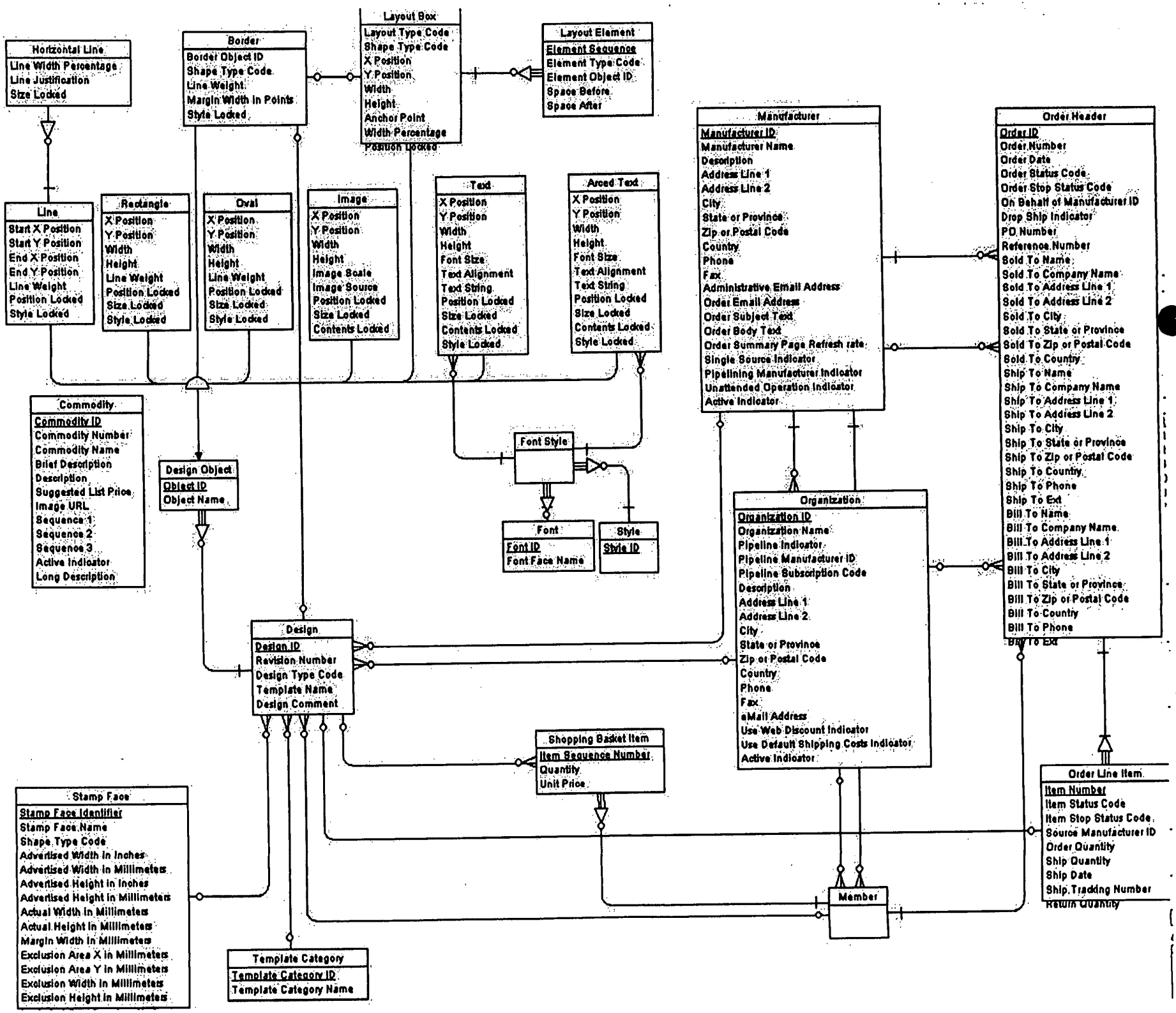
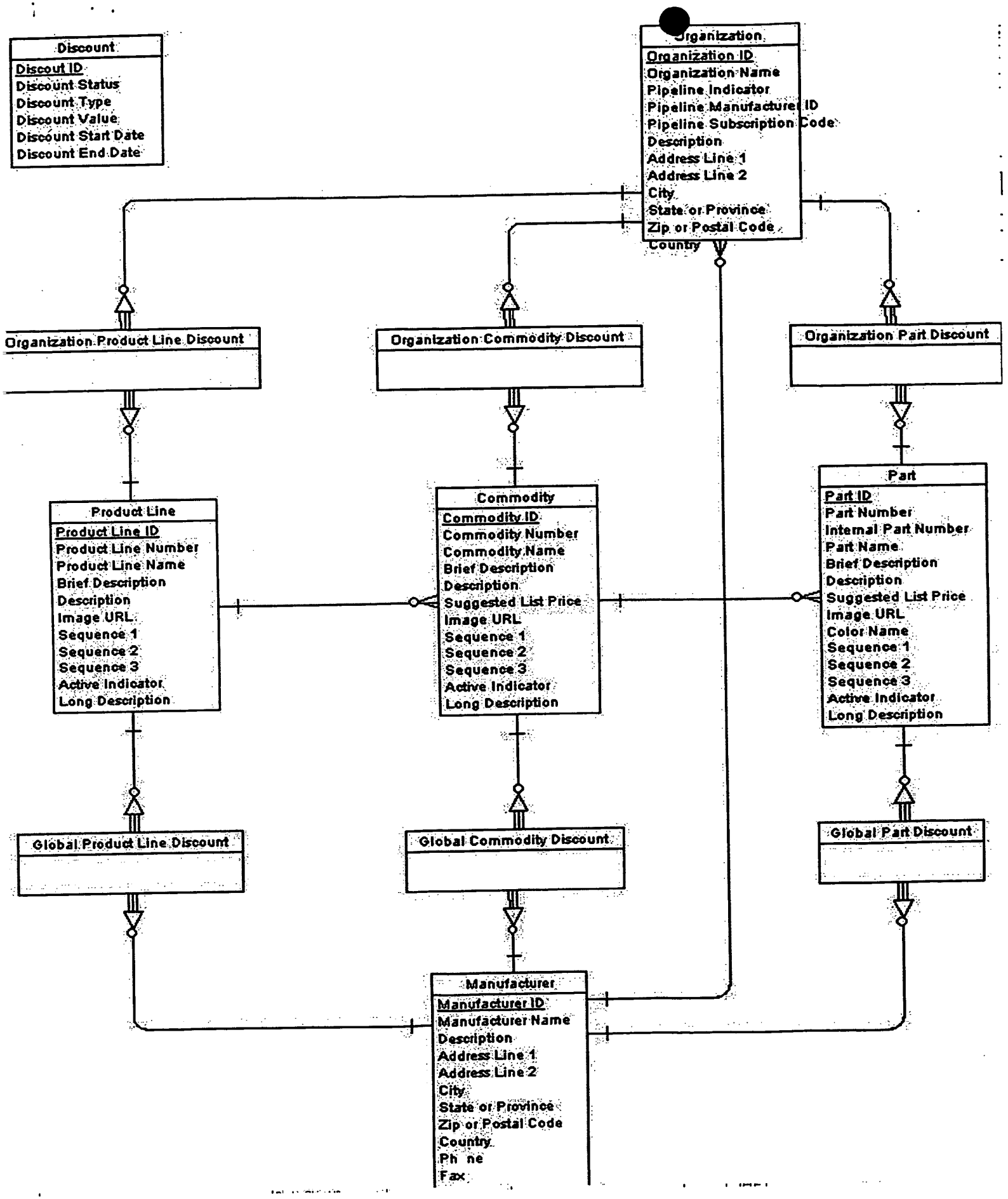
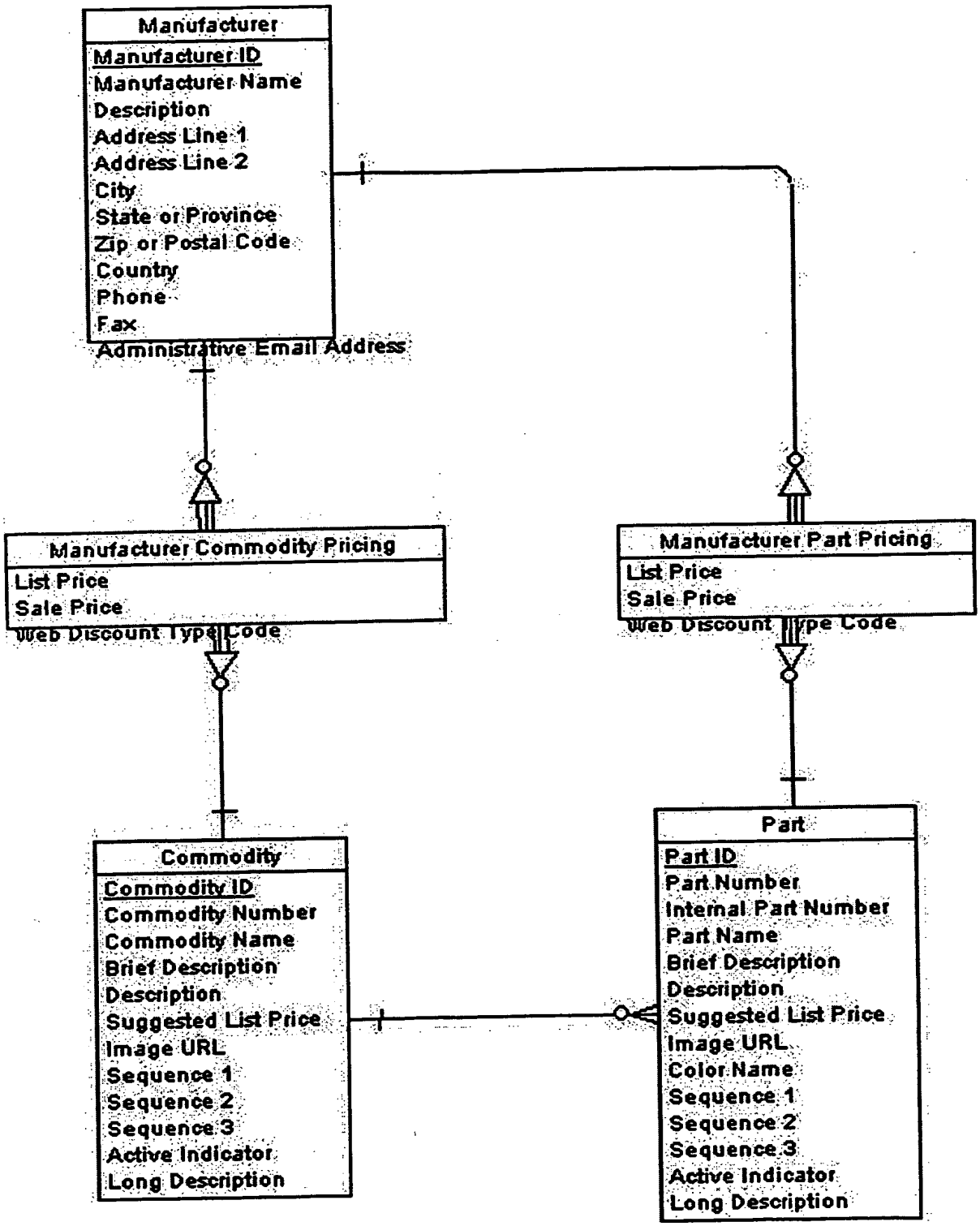
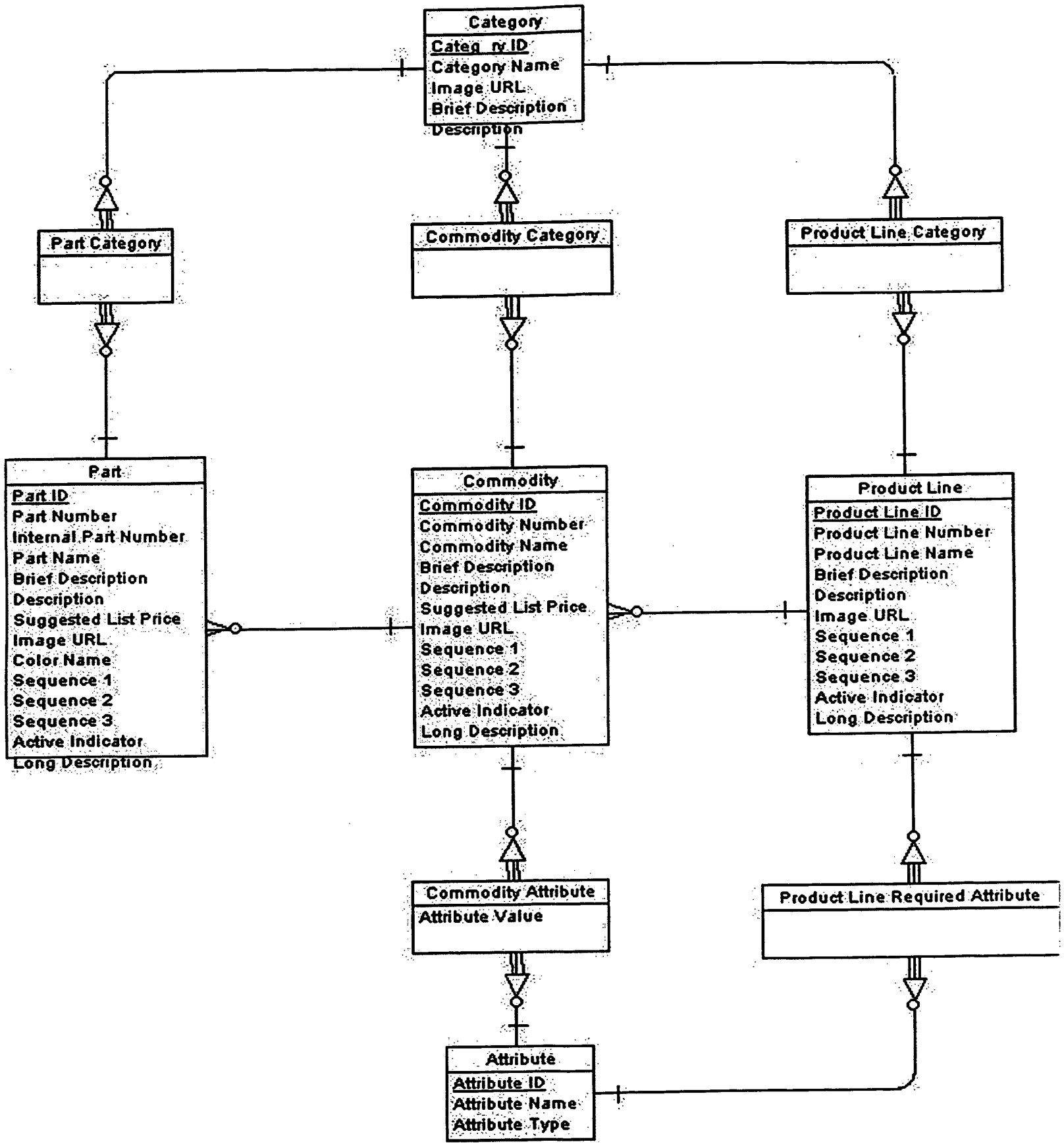
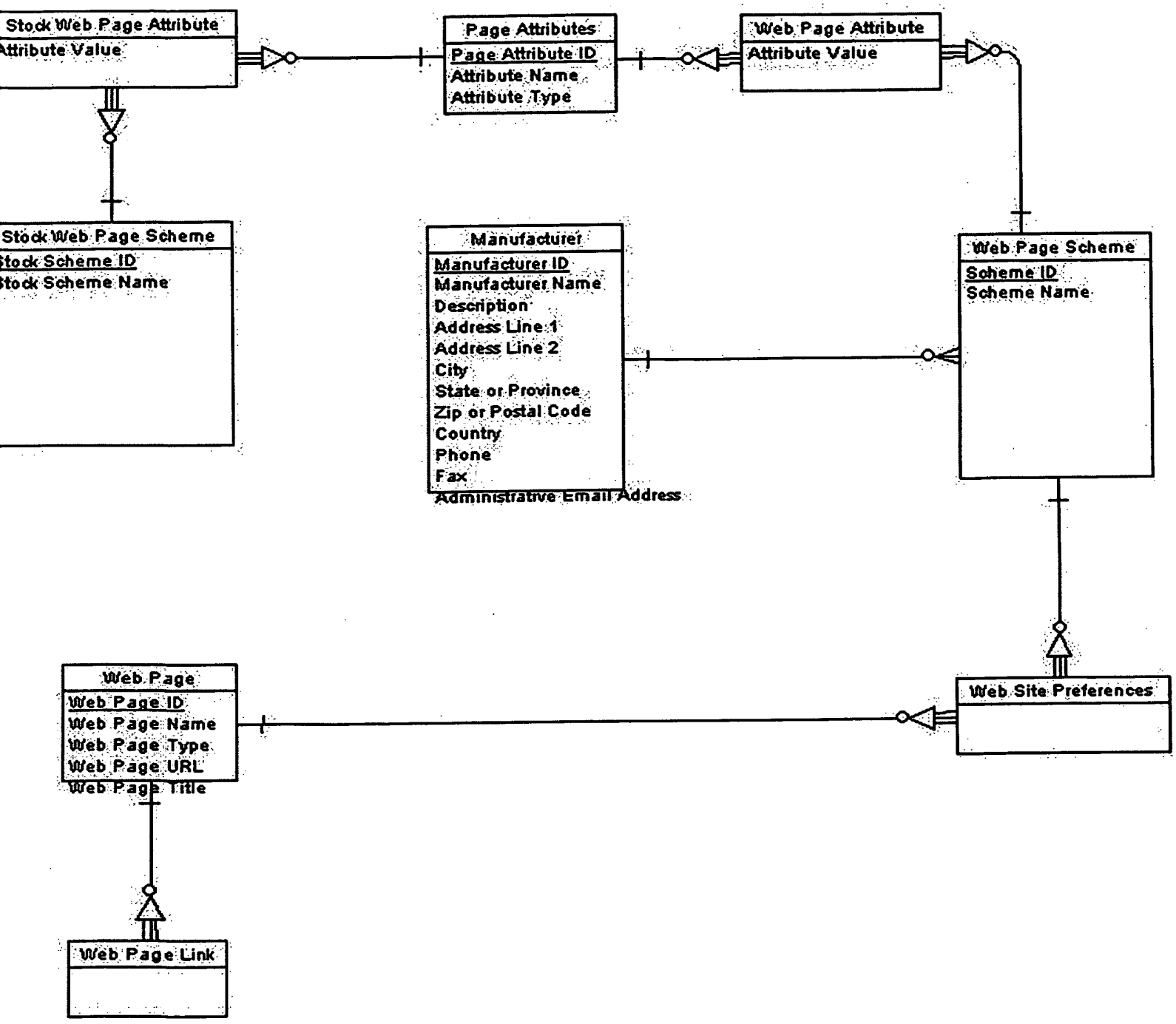

Horizontal Line
Line Width Percentage
Line Justification
Size Locked
Border
Border Object ID
Shape Type Code
Line Weight
Margin Width in Points
Style Locked
Layout Box
Layout Type Code
Shape Type Code
X Position
Y Position
Width
Height
Anchor Point
Width Percentage
Position Locked
Layout Element
Element Sequence
Element Type Code
Element Object ID
Space Before
Space After
Manufacturer
Manufacturer ID
Manufacturer Name
Description
Address Line 1
Address Line 2
City
State or Province
Zip or Postal Code
Country
Phone
Fax
Administrative Email Address
Order Email Address
Order Subject Text
Order Body Text
Order Summary Page Refresh rate
Single Source Indicator
Pipelining Manufacturer Indicator
Unattended Operation Indicator
Active Indicator
Order Header
Order ID
Order Number
Order Date
Order Status Code
Order Stop Status Code
On Behalf of Manufacturer ID
Drop Ship Indicator
PO Number
Reference Number
Sold To Name
Sold To Company Name
Sold To Address Line 1
Sold To Address Line 2
Sold To City
Sold To State or Province
Sold To Zip or Postal Code
Sold To Country
Ship To Name
Ship To Company Name
Ship To Address Line 1
Ship To Address Line 2
Ship To City
Ship To State or Province
Ship To Zip or Postal Code
Ship To Country
Ship To Phone
Ship To Ext
Bill To Name
Bill To Company Name
Bill To Address Line 1
Bill To Address Line 2
Bill To City
Bill To State or Province
Bill To Zip or Postal Code
Bill To Country
Bill To Phone
Bill To Ext
Line
Start X Position
Start Y Position
End X Position
End Y Position
Line Weight
Position Locked
Style Locked
Rectangle
X Position
Y Position
Width
Height
Line Weight
Position Locked
Size Locked
Style Locked
Oval
X Position
Y Position
Width
Height
Line Weight
Position Locked
Size Locked
Style Locked
Image
X Position
Y Position
Width
Height
Image Scale
Image Source
Position Locked
Size Locked
Contents Locked
Text
X Position
Y Position
Width
Height
Font Size
Text Alignment
Text String
Position Locked
Size Locked
Contents Locked
Style Locked
Arced Text
X Position
Y Position
Width
Height
Font Size
Text Alignment
Text String
Position Locked
Size Locked
Contents Locked
Style Locked
Commodity
Commodity ID
Commodity Number
Commodity Name
Brief Description
Description
Suggested List Price
Image URL
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Design Object
Object ID
Object Name
Font Style
Font
Font ID
Font Face Name
Style
Style ID
Organization
Organization ID
Organization Name
Pipeline Indicator
Pipeline Manufacturer ID
Pipeline Subscription Code
Description
Address Line 1
Address Line 2
City
State or Province
Zip or Postal Code
Country
Phone
Fax
eMail Address
Use Web Discount Indicator
Use Default Shipping Costs Indicator
Active Indicator
Design
Design ID
Revision Number
Design Type Code
Template Name
Design Comment
Shopping Basket Item
Item Sequence Number
Quantity
Unit Price
Order Line Item
Item Number
Item Status Code
Item Stop Status Code
Source Manufacturer ID
Order Quantity
Ship Quantity
Ship Date
Ship Tracking Number
Return Quantity
Stamp Face
Stamp Face Identifier
Stamp Face Name
Shape Type Code
Advertised Width in Inches
Advertised Width in Millimeters
Advertised Height in Inches
Advertised Height in Millimeters
Actual Width in Millimeters
Actual Height in Millimeters
Margin Width in Millimeters
Exclusion Area X in Millimeters
Exclusion Area Y in Millimeters
Exclusion Width in Millimeters
Exclusion Height in Millimeters
Template Category
Template Category ID
Template Category Name
Member


Discount
Discout ID
Discount Status
Discount Type
Discount Value
Discount Start Date
Discount End Date
Organization
Organization ID
Organization Name
Pipeline Indicator
Pipeline Manufacturer ID
Pipeline Subscription Code
Description
Address Line 1
Address Line 2
City
State or Province
Zip or Postal Code
Country
Organization Product Line Discount
Organization Commodity Discount
Organization Part Discount
Product Line
Product Line ID
Product Line Number
Product Line Name
Brief Description
Description
Image URL
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Commodity
Commodity ID
Commodity Number
Commodity Name
Brief Description
Description
Suggested List Price
Image URL
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Part
Part ID
Part Number
Internal Part Number
Part Name
Brief Description
Description
Suggested List Price
Image URL
Color Name
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Global Product Line Discount
Global Commodity Discount
Global Part Discount
Manufacturer
Manufacturer ID
Manufacturer Name
Description
Address Line 1
Address Line 2
City
State or Province
Zip or Postal Code
Country
Ph ne
Fax


Manufacturer
Manufacturer ID
Manufacturer Name
Description
Address Line 1
Address Line 2
City
State or Province
Zip or Postal Code
Country
Phone
Fax
Administrative Email Address
Manufacturer Commodity Pricing
List Price
Sale Price
Web Discount Type Code
Manufacturer Part Pricing
List Price
Sale Price
Web Discount Type Code
Commodity
Commodity ID
Commodity Number
Commodity Name
Brief Description
Description
Suggested List Price
Image URL
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Part
Part ID
Part Number
Internal Part Number
Part Name
Brief Description
Description
Suggested List Price
Image URL
Color Name
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description


Category
Categ ry ID
Category Name
Image URL
Brief Description
Description
Part Category
Commodity Category
Product Line Category
Part
Part ID
Part Number
Internal Part Number
Part Name
Brief Description
Description
Suggested List Price
Image URL
Color Name
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Commodity
Commodity ID
Commodity Number
Commodity Name
Brief Description
Description
Suggested List Price
Image URL
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Product Line
Product Line ID
Product Line Number
Product Line Name
Brief Description
Description
Image URL
Sequence 1
Sequence 2
Sequence 3
Active Indicator
Long Description
Commodity Attribute
Attribute Value
Product Line Required Attribute
Attribute
Attribute ID
Attribute Name
Attribute Type


Stock Web Page Attribute
Attribute Value
Page Attributes
Page Attribute ID
Attribute Name
Attribute Type
Web Page Attribute
Attribute Value
Stock Web Page Scheme
Stock Scheme ID
Stock Scheme Name
Manufacturer
Manufacturer ID
Manufacturer Name
Description
Address Line 1
Address Line 2
City
State or Province
Zip or Postal Code
Country
Phone
Fax
Administrative Email Address
Web Page Scheme
Scheme ID
Scheme Name
Web Page
Web Page ID
Web Page Name
Web Page Type
Web Page URL
Web Page Title
Web Site Preferences
Web Page Link

Accessories

Column List

Cod	Type
commodity_id	int
descr	varchar(255)
create_dtm	datetime

Address

Column List

Code	Type
addr_id	int
addr_typ_cd	char(1)
entity_id	int
entity_typ_cd	varchar(5)
company_nme	varchar(255)
nme	varchar(255)
addr_1	varchar(50)
addr_2	varchar(50)
city	varchar(30)
st_prov	varchar(30)
zip_pstl_cd	varchar(10)
country	varchar(25)
phone	varchar(15)
ext	varchar(10)
alt_phone	varchar(15)
alt_ext	varchar(10)
active_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Arced Text

Column List

Code	Type
design_id	int
obj_id	int
obj_nme	varchar(50)
x_pos	float
y_pos	float
width	float
height	float
font_id	int
style_id	int
font_size	int
text_algn	char(1)
text_str	varchar(255)
pos_lck_ind	char(1)

Code	Typ
size_lck_ind	char(1)
cont_lck_ind	char(1)
style_lck_ind	char(1)

Attribute

Column List

Code	Type
attr_id	int
attr_nme	varchar(50)
attr_typ	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Attribute Code

Column List

Code	Type
code_id	int
attr_id	int
create_dtm	datetime

Available Billing Type

Column List

Code	Type
mfr_id	int
bill_typ_id	int
create_dtm	datetime

Available Shipping Type

Column List

Code	Type
mfr_id	int
ship_typ_id	int
create_dtm	datetime

Base URL

Column List

Code	Type
base_url_id	int
mfr_id	int

C de	Type
base_url	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Billing Type

Column List

Code	Type
bill_typ_id	int
bill_brief_descr	varchar(255)
descr	varchar(255)
bill_typ_cd	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Border

Column List

Code	Type
design_id	int
obj_id	int
border_obj_id	int
obj_nme	varchar(50)
shape_typ_cd	char(1)
line_weight	int
marg_width_pts	int
style_lck_ind	char(1)

Category

Column List

Code	Type
cat_id	int
cat_nme	varchar(50)
img_url	varchar(255)
brief_descr	varchar(255)
descr	varchar(255)
long_descr	varchar(6800)
active_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Code

Column List

Code	Typ

C de	Type
code_id	int
code_name	varchar(255)
rgb_val	int
create_dtm	datetime
last_maint_dtm	datetime

Commodity

Column List

Code	Type
commodity_id	int
prod_line_id	int
commodity_num	varchar(50)
commodity_nme	varchar(50)
brief_descr	varchar(255)
descr	varchar(255)
sugg_list_price	money
img_url	varchar(255)
stamp_face_id	int
seq_1	int
seq_2	int
seq_3	int
active_ind	char(1)
long_descr	varchar(6800)
create_dtm	datetime
last_maint_dtm	datetime

Commodity Attribute

Column List

Code	Type
commodity_id	int
attr_id	int
attr_val	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Commodity Category

Column List

Code	Type
cat_id	int
commodity_id	int
create_dtm	datetime

Country

Column List

C d	Type
country_id	int
country_nme	varchar(25)
create_dtm	datetime
last_maint_dtm	datetime

Default Available Part

C lumn List

Code	Type
mfr_id	int
part_id	int
commodity_id	int
prod_line_id	int
create_dtm	datetime

Design

Column List

Code	Type
design_id	int
mfr_id	int
org_id	int
usr_id	int
stamp_face_id	int
templ_cat_id	int
rev_num	int
design_typ_cd	char(1)
border_design_id	int
border_obj_id	int
templ_nme	varchar(255)
design_cmnt	varchar(7700)
create_dtm	datetime
last_maint_dtm	datetime

Font

Column List

Code	Type
font_id	int
font_face_nme	varchar(50)
create_dtm	datetime
last_maint_dtm	datetime

Font Style

Column List

C d	Typ
font_id	int
style_id	int
create_dtm	datetime

Global Commodity Discount

Column List

Code	Type
mfr_id	int
commodity_id	int
disc_id	int
disc_stus_cd	char(1)
disc_typ_cd	char(1)
disc_val	money
disc_start_dte	datetime
disc_end_dte	datetime
create_dtm	datetime
last_maint_dtm	datetime

Global Part Discount

Column List

Code	Type
mfr_id	int
part_id	int
disc_id	int
disc_stus_cd	char(1)
disc_typ_cd	char(1)
disc_val	money
disc_start_dte	datetime
disc_end_dte	datetime
create_dtm	datetime
last_maint_dtm	datetime

Global Product Line Discount

Column List

Code	Type
mfr_id	int
prod_line_id	int
disc_id	int
disc_stus_cd	char(1)
disc_typ_cd	char(1)
disc_val	money
disc_start_dte	datetime
disc_end_dte	datetime
create_dtm	datetime

C d	Typ
last_maint_dtm	datetime

Horizontal Line

Column List

Code	Type
design_id	int
obj_id	int
line_width_pctg	int
line_just	char(1)
size_lck_ind	char(1)

Image

Column List

Code	Type
design_id	int
obj_id	int
obj_nme	varchar(50)
x_pos	float
y_pos	float
width	float
height	float
img_scale	int
img_src	varchar(255)
pos_lck_ind	char(1)
size_lck_ind	char(1)
cont_lck_ind	char(1)

Job Title

Column List

Code	Type
job_title_id	int
job_title_descr	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Layout Box

Column List

Code	Type
design_id	int
obj_id	int
bor_design_id	int
bor_obj_id	int

Code	Type
obj_nme	varchar(50)
layout_typ_cd	char(1)
shape_typ_cd	char(1)
x_pos	float
y_pos	float
width	float
height	float
anchor_pt	int
width_pctg	int
pos_lck_ind	char(1)

Layout Element

Column List

Code	Type
design_id	int
obj_id	int
elem_seq_num	int
elem_typ_cd	int
elem_obj_id	int
space_before_pts	int
space_after_pts	int

Line

Column List

Code	Type
design_id	int
obj_id	int
obj_nme	varchar(50)
start_x_pos	float
start_y_pos	float
end_x_pos	float
end_y_pos	float
line_weight	int
pos_lck_ind	char(1)
style_lck_ind	char(1)

Manufacturer

Column List

Code	Type
mfr_id	int
mfr_nme	varchar(50)
descr	varchar(255)
addr_1	varchar(50)
addr_2	varchar(50)
city	varchar(30)

C de	Typ
st_prov	varchar(30)
zip_pstl_cd	varchar(10)
country	varchar(25)
phone	varchar(15)
fax	varchar(15)
admin_email_addr	varchar(255)
ord_email_addr	varchar(255)
ord_refresh_rate	int
ss_ind	char(1)
pl_mfr_ind	char(1)
unattend_oper_ind	char(1)
use_alt_img_ind	char(1)
home_site_url	varchar(255)
active_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Accepted Part

Column List

Code	Type
mfr_id	int
part_id	int
src_mfr_id	int
prod_line_id	int
commodity_id	int
accept_ind	char(1)
dflt_src_ind	char(1)
avail_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Accepted Products Reference

Column List

Code	Type
mfr_id	int
part_id	int
src_mfr_id	int
prod_line_id	int
commodity_id	int
mfr_ts_cd	char(1)
prod_line_ts_cd	char(1)
comm_ts_cd	char(1)
accept_ind	char(1)
dflt_src_ind	char(1)
avail_ind	char(1)
src_price	money

Manufacturer Commodity Pricing

Column List

Code	Type
mfr_id	int
commodity_id	int
list_price	money
sale_price	money
web_disc_typ_cd	char(1)
web_disc_val	money
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Default Scheme

Column List

Code	Type
mfr_id	int
schm_id	int
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Employee

C lumn List

Code	Type
usr_id	int
mfr_id	int

Manufacturer Last Used Order Number

Column List

Code	Type
mfr_id	int
ord_num	int
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Part Pricing

Column List

Code	Type
mfr_id	int
part_id	int
list_price	money
sale_price	money

Code	Type
web_disc_typ_cd	char(1)
web_disc_val	money
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Product Line Pricing

Column List

Code	Type
mfr_id	int
prod_line_id	int
web_disc_typ_cd	char(1)
web_disc_val	money
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Products Reference

Column List

Code	Type
mfr_id	int
part_id	int
prod_line_id	int
commodity_id	int
prod_line_ts_cd	char(1)
comm_ts_cd	char(1)

Manufacturer Shipping Rate

Column List

Code	Type
mfr_id	int
ship_typ_id	int
min_amt	money
ship_cost	money
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Tax Rate

C lumn List

Code	Type
st_prov_id	int
mfr_id	int
tax_pctg	money
create_dtm	datetime

C d	Typ
last_maint_dtm	datetime

Manufacturer Web Page Content

Column List

Code	Type
web_pg_cont_typ_id	int
mfr_id	int
cont_txt	varchar(8000)
create_dtm	datetime
last_maint_dtm	datetime

Manufacturer Web Page Layout

Column List

Code	Type
mfr_id	int
layout_id	int
create_dtm	datetime

Member

Column List

Code	Type
usr_id	int
mfr_id	int
org_id	int

Member Products Reference

Column List

Code	Type
mfr_id	int
part_id	int
prod_line_id	int
commodity_id	int
prod_line_ts_cd	char(1)
comm_ts_cd	char(1)
list_price	money
sale_price	money
special_price	money
web_disc	money
final_price	money
disc_ind	char(1)
price_reduct_label	varchar(100)
price_reduct_val	money

C d	Typ
price_reduct_typ_cd	char(1)
web_disc_label	varchar(100)
web_disc_val	money
web_disc_typ_cd	char(1)

Order Header

Column List

Code	Type
ord_id	int
usr_id	int
ord_src_mfr_id	int
org_id	int
mfr_id	int
ord_num	int
ord_dte	datetime
ord_stus_cd	char(1)
ord_stop_stus_cd	char(1)
on_behalf_of_mfr_id	int
drop_ship_ind	char(1)
ship_from_mfr_id	int
po_num	varchar(30)
ref_num	varchar(30)
pl_queue_id	int
sold_to_frst_nme	varchar(30)
sold_to_lst_nme	varchar(30)
sold_to_company_nme	varchar(255)
sold_to_addr_1	varchar(50)
sold_to_addr_2	varchar(50)
sold_to_city	varchar(30)
sold_to_st_prov	varchar(30)
sold_to_zip_pstl_cd	varchar(10)
sold_to_country	varchar(25)
ship_to_nme	varchar(255)
ship_to_company_nme	varchar(255)
ship_to_addr_1	varchar(50)
ship_to_addr_2	varchar(50)
ship_to_city	varchar(30)
ship_to_st_prov	varchar(30)
ship_to_zip_pstl_cd	varchar(10)
ship_to_country	varchar(25)
ship_to_phone	varchar(15)
ship_to_ext	varchar(10)
bill_to_nme	varchar(30)
bill_to_company_nme	varchar(255)
bill_to_addr_1	varchar(50)
bill_to_addr_2	varchar(50)
bill_to_city	varchar(30)
bill_to_st_prov	varchar(30)
bill_to_zip_pstl_cd	varchar(10)
bill_to_country	varchar(25)
bill_to_phone	varchar(15)
bill_to_ext	varchar(10)

C de	Typ
bill_to_alt_phone	varchar(15)
bill_to_alt_ext	varchar(10)
cc_nme	varchar(50)
cc_num	varchar(16)
cc_exp_dte	char(4)
bill_typ_cd	char(1)
bill_brief_descr	varchar(255)
bill_descr	varchar(255)
ship_brief_descr	varchar(255)
ship_descr	varchar(255)
calc_tax	money
calc_ship_cost	money
shop_url	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Order History

Column List

Code	Type
ord_hist_id	int
ord_id	int
usr_id	int
ord_evt_dtm	datetime
ord_stus_cd	char(1)
ord_email_sent_ind	char(1)
descr	varchar(500)
email_addr	varchar(255)
email_trk_cd	int
ip_addr	varchar(29)

Order Item History

Column List

Code	Type
ord_item_hist_id	int
ord_id	int
item_num	int
item_evt_dtm	datetime
item_stus_cd	char(2)
descr	varchar(255)
email_addr	varchar(255)
ip_addr	varchar(29)

Order Line Item

Column List

Code	Type

C de	Typ
ord_id	int
item_num	int
part_id	int
pl_ord_id	int
pl_item_num	int
item_stus_cd	char(2)
item_stop_stus_cd	char(2)
src_mfr_id	int
ord_qty	int
ship_qty	int
ship_dte	datetime
ship_track_num	varchar(30)
ret_qty	int
unit_price	money
design_id	int
create_dtm	datetime
last_maint_dtm	datetime

Order Notes

C lumn List

Code	Type
ord_notes_id	int
ord_hist_id	int
note_typ_cd	char(2)
notes	varchar(500)
create_dtm	datetime

Order Notes Archive

Column List

Code	Type
ord_id	int
note_typ_cd	char(1)
notes	varchar(8000)
create_dtm	datetime
last_maint_dtm	datetime

Organization

Column List

Code	Type
org_id	int
mfr_id	int
org_nme	varchar(50)
pl_ind	char(1)
pl_mfr_id	int
pl_subscript_cd	varchar(20)

C de	Typ
descr	varchar(255)
addr_1	varchar(50)
addr_2	varchar(50)
city	varchar(30)
st_prov	varchar(30)
zip_pstl_cd	varchar(10)
country	varchar(25)
phone	varchar(15)
fax	varchar(15)
email_addr	varchar(255)
use_web_disc_ind	char(1)
use_dflt_ship_cost_ind	char(1)
use_alt_img_ind	char(1)
active_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Organization Available Billing Type

Column List

Code	Type
org_id	int
bill_typ_id	int
create_dtm	datetime

Organization Available Part

Column List

Code	Type
org_id	int
part_id	int
commodity_id	int
prod_line_id	int
create_dtm	datetime

Organization Available Shipping Type

Column List

Code	Type
org_id	int
ship_typ_id	int
create_dtm	datetime

Organization Commodity Discount

Column List

Cod	Type
org_id	int
commodity_id	int
disc_id	int
disc_stus_cd	char(1)
disc_typ_cd	char(1)
disc_val	money
disc_start_dte	datetime
disc_end_dte	datetime
create_dtm	datetime
last_maint_dtm	datetime

Organization Part Discount

Column List

Code	Type
part_id	int
org_id	int
disc_id	int
disc_stus_cd	char(1)
disc_typ_cd	char(1)
disc_val	money
disc_start_dte	datetime
disc_end_dte	datetime
create_dtm	datetime
last_maint_dtm	datetime

Organization Product Line Discount

Column List

Code	Type
org_id	int
prod_line_id	int
disc_id	int
disc_stus_cd	char(1)
disc_typ_cd	char(1)
disc_val	money
disc_start_dte	datetime
disc_end_dte	datetime
create_dtm	datetime
last_maint_dtm	datetime

Organization Products Reference

Column List

Code	Type
org_id	int
part_id	int
prod_line_id	int

C de	Typ
commodity_id	int
prod_line_ts_cd	char(1)
comm_ts_cd	char(1)
list_price	money
sale_price	money
special_price	money
web_disc	money
final_price	money
disc_ind	char(1)
price_reduct_label	varchar(100)
price_reduct_val	money
price_reduct_typ_cd	char(1)
web_disc_label	varchar(100)
web_disc_val	money
web_disc_typ_cd	char(1)

Organization Shipping Rate

Column List

Code	Type
org_id	int
ship_typ_id	int
min_amt	money
ship_cost	money
create_dtm	datetime
last_maint_dtm	datetime

Oval

Column List

Code	Type
design_id	int
obj_id	int
obj_nme	varchar(50)
x_pos	float
y_pos	float
width	float
height	float
line_weight	int
pos_lck_ind	char(1)
size_lck_ind	char(1)
style_lck_ind	char(1)

Page Attributes

Column List

Code	Type
page_attr_id	int

C d	Typ
attr_nme	varchar(50)
attr_typ	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Part

Column List

Code	Type
part_id	int
commodity_id	int
part_num	varchar(50)
int_part_num	varchar(50)
part_nme	varchar(50)
brief_descr	varchar(255)
descr	varchar(255)
sugg_list_price	money
img_url	varchar(255)
color_nme	varchar(255)
seq_1	int
seq_2	int
seq_3	int
active_ind	char(1)
long_descr	varchar(6800)
create_dtm	datetime
last_maint_dtm	datetime

Part Category

Column List

Code	Type
cat_id	int
part_id	int
create_dtm	datetime

Pipeline Queue

Column List

Code	Type
pl_queue_id	int
usr_id	int
mfr_id	int
src_mfr_id	int
po_num	varchar(30)
ship_to_addr_id	int
ship_to_nme	varchar(255)
ship_to_company_nme	varchar(255)
ship_to_addr_1	varchar(50)

Cod	Typ
ship_to_addr_2	varchar(50)
ship_to_city	varchar(30)
ship_to_st_prov	varchar(30)
ship_to_zip_pstl_cd	varchar(10)
ship_to_country	varchar(25)
ship_to_phone	varchar(15)
ship_to_ext	varchar(10)
temp_ship_addr_sel_ind	char(1)
bill_to_addr_id	int
cc_nme	varchar(50)
cc_num	varchar(16)
cc_exp_dte	char(4)
bill_typ_id	int
bill_typ_cd	char(1)
bill_brief_descr	varchar(255)
bill_descr	varchar(255)
incl_all_note_ind	char(1)
incl_drop_ship_note_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Pipeline Queue Item

Column List

Code	Type
pl_queue_id	int
ord_id	int
item_num	int
drop_ship_ind	char(1)
ship_typ_id	int
ship_brief_descr	varchar(255)
ship_descr	varchar(255)
pl_notes	varchar(500)
int_notes	varchar(500)
email_text	varchar(500)

Pipeline Queue Notes

Column List

Code	Type
pl_queue_id	int
pl_note_typ_cd	char(1)
notes	varchar(500)

Product Line

Column List

Code	Type

C de	Typ
prod_line_id	int
prod_line_num	varchar(50)
prod_line_nme	varchar(50)
brief_descr	varchar(255)
descr	varchar(255)
img_url	varchar(255)
seq_1	int
seq_2	int
seq_3	int
active_ind	char(1)
long_descr	varchar(6800)
create_dtm	datetime
last_maint_dtm	datetime

Product Line Category

Column List

Code	Type
cat_id	int
prod_line_id	int
create_dtm	datetime

Product Line Required Attribute

Column List

Code	Type
prod_line_id	int
attr_id	int
create_dtm	datetime

Rectangle

Column List

Code	Type
design_id	int
obj_id	int
obj_nme	varchar(50)
x_pos	float
y_pos	float
width	float
height	float
line_weight	int
pos_lck_ind	char(1)
size_lck_ind	char(1)
style_lck_ind	char(1)

Sequence Log

Column List

Code	Typ
seq_num	int
table_nme	varchar(50)
last_used_id	int
create_dtm	datetime
last_maint_dtm	datetime

S ssion

Column List

Code	Type
session_id	varchar(25)
session_info	varchar(8000)
create_dtm	datetime

Shipping Type

Column List

Code	Type
ship_typ_id	int
ship_brief_descr	varchar(255)
descr	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Shopping Basket Item

Column List

Code	Type
usr_id	int
item_seq_num	int
part_id	int
qty	int
unit_price	money
design_id	int
create_dtm	datetime
last_maint_dtm	datetime

Stamp Face

Column List

Code	Type
stamp_face_id	int
stamp_face_nme	varchar(50)
shape_typ_cd	char(1)
advt_width_in	float

C de	Typ
advt_width_mm	float
advt_height_in	float
advt_height_mm	float
act_width_mm	float
act_height_mm	float
marg_width_mm	float
excl_area_x_mm	float
excl_area_y_mm	float
excl_width_mm	float
excl_height_mm	float
excl_area_loc_cd	char(1)
create_dtm	datetime
last_maint_dtm	datetime

State And Province

Column List

Code	Type
st_prov_id	int
country_id	int
st_prov_nme	varchar(30)
st_prov_abbrev	varchar(2)
create_dtm	datetime
last_maint_dtm	datetime

Stock Web Page Attribute

Column List

Code	Type
stk_schm_id	int
page_attr_id	int
attr_val	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Stock Web Page Scheme

Column List

Code	Type
stk_schm_id	int
stk_schm_nme	varchar(50)
create_dtm	datetime
last_maint_dtm	datetime

Supplier Administrator

Column List

Cod	Type
usr_id	int

Template Category

Column List

Code	Type
templ_cat_id	int
templ_cat_nme	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Text

Column List

Code	Type
design_id	int
obj_id	int
obj_nme	varchar(50)
x_pos	float
y_pos	float
width	float
height	float
font_id	int
style_id	int
font_size	int
text_algn	char(1)
text_str	varchar(255)
pos_lck_ind	char(1)
size_lck_ind	char(1)
cont_lck_ind	char(1)
style_lck_ind	char(1)

User

Column List

Code	Type
usr_id	int
title	varchar(10)
frst_nme	varchar(30)
mid_init	varchar(1)
lst_nme	varchar(30)
company_nme	varchar(255)
email_addr	varchar(255)
alt_email_addr	varchar(255)
job_title	varchar(50)
pswd	varchar(12)
pswd_hint	varchar(50)

C de	Typ
chlng_phrss	varchar(255)
chlng_resp	varchar(255)
user_typ_cd	char(1)
addr_1	varchar(50)
addr_2	varchar(50)
city	varchar(30)
st_prov	varchar(30)
zip_pstl_cd	varchar(10)
country	varchar(25)
phone	varchar(15)
ext	varchar(10)
alt_phone	varchar(15)
alt_ext	varchar(10)
fax	varchar(15)
active_ind	char(1)
create_dtm	datetime
last_maint_dtm	datetime

Web Page

C lumn List

Code	Type
web_pg_id	int
web_pg_nme	varchar(50)
web_pg_typ_cd	char(1)
web_pg_url	varchar(255)
web_pg_title	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Web Page Attribute

Column List

Code	Type
schm_id	int
page_attr_id	int
attr_val	varchar(255)
create_dtm	datetime
last_maint_dtm	datetime

Web Page Content Type

Column List

Code	Type
web_pg_cont_typ_id	int
web_pg_cont_typ	varchar(50)
create_dtm	datetime
last_maint_dtm	datetime

Web Page Layout

Column List

Code	Type
layout_id	int
layout_typ_cd	char(1)
layout_nme	varchar(50)
layout_src	varchar(7964)
create_dtm	datetime
last_maint_dtm	datetime

Web Page Link

Column List

Code	Type
web_pg_id	int
usr_id	int
create_dtm	datetime

W b Page Scheme

Column List

Code	Type
schm_id	int
mfr_id	int
schm_nme	varchar(30)
create_dtm	datetime
last_maint_dtm	datetime

Web Site Preferences

Column List

Code	Type
web_pg_id	int
schm_id	int
create_dtm	datetime

BOrder.cls

```
VERSION 1.0 CLASS
BEGIN
  MultiUse = -1  'True
  Persistable = 0  'NotPersistable
  DataBindingBehavior = 0  'vbNone
  DataSourceBehavior  = 0  'vbNone
  MTSTransactionMode  = 2  'RequiresTransaction
END
Attribute VB_Name = "BOrder"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = True
Attribute VB_PredeclaredId = False
Attribute VB_Exposed = True
Option Explicit
Option Base 0

Private Enum emEmail
    emAddOrder = 1
    emStopOrder = 2
    emUpdateOrderStatus = 3
    emUpdateOrderItemStatus = 4
End Enum

Private m_colEmail As Collection

'Note
'================================================
'All the functions that start with Int do the actual
'processing for the function without the Int.  The
'moving of the code was done to have a wrapper around
'the function for e-mail porposes.
'================================================


'================================================
'this function adds an order
'input - all the fields in the ORD_HDR table
'  record set with the new order
'================================================
Public Function AddOrder( _
    ByVal aluserID As Long, ByVal alOrgID As Long, ByVal alManfID As Long, _
    ByVal alShipFromManfID As Long, ByVal asPONumber As String, _
    ByVal asRefNumber As String, ByVal asShipToName As String, _
    ByVal asShipToAddr1 As String, ByVal asShipToAddr2 As String, _
    ByVal asShipToCity As String, ByVal asShipToState As String, ByVal asShipToZip
As String, _
    ByVal asShipToCountry As String, ByVal asBillToName As String, ByVal
asBillToAddr1 As String, _
    ByVal asBillToAddr2 As String, ByVal asBillToCity As String, ByVal asBillToState
As String, _
    ByVal asBillToZip As String, ByVal asBillToCountry As String, ByVal
asCreditcardNumber As String, _
    ByVal asCreditCardExpiryDate As String, ByVal asDropShipIndicator As String, _
    ByVal asBillTypeCD As String, ByVal asShipBriefDescr As String, ByVal acTax As
Currency, _
    ByVal acShippingCost As Currency, ByVal asInternalNotes As String, _
    ByVal asEmail As String, ByVal asIPAddress As String, ByVal asPipelineNotes As
String, _
    ByVal asShippingInstructions As String, ByVal asShipToPhone As String, ByVal
asShipToExt As String, _
    ByVal asBillToPhone As String, ByVal asBillToExt As String, ByVal
asBillToAltPhone As String, _
    ByVal asBillToAltExt As String, ByVal asBillBriefDescr As String, _
```

```
    ByVal asBillDescr As String, ByVal asShipDescr As String, _
    ByVal asShipToCompanyNme As String, ByVal asBillToCompanyNme As String, _
    ByVal alOnBehalfOfManfID As Long, ByVal asCreditcardName As String, ByVal asURL
As String) As ADODB.Recordset

    On Error GoTo ErrHandler

    'var
    Dim oRS As ADODB.Recordset

    Set oRS = IntAddOrder( _
        aluserID, -1, alOrgID, alManfID, alShipFromManfID, asPONumber, asRefNumber,
_
        asShipToName, asShipToAddr1, asShipToAddr2, asShipToCity, asShipToState,
asShipToZip, asShipToCountry, _
        asBillToName, asBillToAddr1, asBillToAddr2, asBillToCity, asBillToState,
asBillToZip, asBillToCountry, _
        asCreditcardNumber, asCreditCardExpiryDate, asDropShipIndicator, _
        asBillTypeCD, asShipBriefDescr, acTax, acShippingCost, asInternalNotes, _
        asEmail, asIPAddress, asPipelineNotes, asShippingInstructions,
asShipToPhone, _
        asShipToExt, asBillToPhone, asBillToExt, asBillToAltPhone, asBillToAltExt,
asBillBriefDescr, _
        asBillDescr, asShipDescr, asShipToCompanyNme, asBillToCompanyNme, 0,
asCreditcardName, asURL)

    'exit
    Set AddOrder = oRS

    SendEmails

    CtxSetComplete

    Set oRS = Nothing
    Exit Function


ErrHandler:
    CtxSetAbort
    Set oRS = Nothing
    RaiseError TypeName(Me), "AddOrder - " & Erl
End Function

'====================================================================
'this function canlcels the order if all the items in the order are cancelled
'args - order ID, DB level objects for order and items
'returns nothing
'====================================================================
Private Function CancelOrder(ByVal alOrderID As Long, oDBOrd As DawnOrder.DBOrdHdr,
oDBItem As DawnOrder.DBOrdItem) As Boolean
On Error GoTo ErrHandler

    Dim oRSorder As ADODB.Recordset
    Dim oRSItems As ADODB.Recordset
    Dim bItemNotCancelled As Boolean
    Dim bOrderCancelled As Boolean
    Dim lRow As Long

        'get all the order and item records again
        Set oRSorder = oDBOrd.GetOrder(alOrderID)
        Set oRSItems = oDBItem.GetOrderItems(alOrderID)
        bOrderCancelled = False
        'check all the order item statuses for cancelled
```

```
        If Not oRSItems.EOF Then
            Do Until oRSItems.EOF
                If oRSItems("item_stus_cd") <>
DawnOrder.DawnItemStatus.osItemCancelled Then
                    bItemNotCancelled = True
                    Exit Do
                End If
                oRSItems.MoveNext
            Loop
        End If

        'boolean will be -ve if all items are cancelled, then set the orderstatus to
cancelled
        If Not bItemNotCancelled Then

                'update order status to cancelled
                lRow = oDBOrd.StopOrder(alOrderID,
DawnOrder.DawnOrderStatus.osCancelled, _
                                        oRSorder("last_maint_dtm"))

                'check error
                If lRow <> 1 Then
                    RaiseResError
DawnOrder.DawnOrderErrors.ecUpdateOrderStatusFailed, _
                                              TypeName(Me), "CancelOrder"
                End If
                bOrderCancelled = True

        End If

    Set oRSorder = Nothing
    Set oRSItems = Nothing
    CancelOrder = bOrderCancelled
    Exit Function

ErrHandler:

    Set oRSorder = Nothing
    Set oRSItems = Nothing
    RaiseError TypeName(Me), "CancelOrder"
    Exit Function

End Function


''=====================================================================
''this function figures out what the From Email should be for Emails going to
customers based on what stage of the
''pipeline and order is, and drop ship indicators
''args - manfID, order id, item numbber
''returns from Email as string
''=====================================================================
'Private Function GetFromEmail(ByVal alManfID As Long, ByVal alOrderID As Long,
ByVal alItemNum As Long, _
'                                                oManf As DawnManf.UManf, oDBOrd As
DBOrdHdr, oDBItem As DBOrdItem) As String
'On Error GoTo ErrHandler
'
'    Dim sEmail As String
'    Dim oRsManf As ADODB.Recordset
'    Dim oRSorder As ADODB.Recordset
'    Dim oRSItem As ADODB.Recordset
'    Dim sDropShip As String
```

```
'
'     Set oRsManf = oManf.GetManfByID(alManfID)
'     Set oRSorder = oDBOrd.GetOrder(alOrderID)
'     Set oRsItem = oDBItem.GetOrderItem(alOrderID, alItemNum)
'
'     sDropShip = IIf(IsNull(oRSorder!drop_ship_ind), "0", oRSorder!drop_ship_ind)
'
'     If sDropShip = "0" Then
'         sEmail = IIf(IsNull(oRsManf!ord_email_addr), oRsManf!admin_email_addr,
oRsManf!ord_email_addr)
'     Else
'         sEmail = GetFromEmail(oRSorder!src_mfr_id, oRSorder!pl_ord_id,
oRsItem!pl_item_num, oManf, oDBOrd, oDBItem)
'     End If
'
'     GetFromEmail = sEmail
'
'     Set oRsManf = Nothing
'     Set oRSorder = Nothing
'     Set oRsItem = Nothing
'
'     Exit Function
'
'ErrHandler:
'
'     Set oRsManf = Nothing
'     Set oRSorder = Nothing
'     Set oRsItem = Nothing
'
'     RaiseError TypeName(Me), "GetFromEmail"
'     Exit Function
'
'End Function


Private Function IntAddOrder( _
    ByVal aluserID As Long, ByVal alOrdSrcManfID As Long, ByVal alOrgID As Long,
ByVal alManfID As Long, _
    ByVal alShipFromManfID As Long, ByVal asPONumber As String, _
    ByVal asRefNumber As String, ByVal asShipToName As String, _
    ByVal asShipToAddr1 As String, ByVal asShipToAddr2 As String, _
    ByVal asShipToCity As String, ByVal asShipToState As String, ByVal asShipToZip
As String, _
    ByVal asShipToCountry As String, ByVal asBillToName As String, ByVal
asBillToAddr1 As String, _
    ByVal asBillToAddr2 As String, ByVal asBillToCity As String, ByVal asBillToState
As String, _
    ByVal asBillToZip As String, ByVal asBillToCountry As String, ByVal
asCreditcardNumber As String, _
    ByVal asCreditCardExpiryDate As String, ByVal asDropShipIndicator As String, _
    ByVal asBillTypeCD As String, ByVal asShipBriefDescr As String, ByVal acTax As
Currency, _
    ByVal acShippingCost As Currency, ByVal asInternalNotes As String, _
    ByVal asEmail As String, ByVal asIPAddress As String, ByVal asPipelineNotes As
String, _
    ByVal asShippingInstructions As String, ByVal asShipToPhone As String, ByVal
asShipToExt As String, _
    ByVal asBillToPhone As String, ByVal asBillToExt As String, ByVal
asBillToAltPhone As String, _
    ByVal asBillToAltExt As String, ByVal asBillBriefDescr As String, _
    ByVal asBillDescr As String, ByVal asShipDescr As String, _
    ByVal asShipToCompanyNme As String, ByVal asBillToCompanyNme As String, _
    ByVal alOnBehalfOfManfID As Long, ByVal asCreditcardName As String, ByVal asURL
```

```
As String, _
    Optional ByVal oRSPipeItems As ADODB.Recordset) As ADODB.Recordset

    On Error GoTo ErrHandler

    Dim oContext As ObjectContext
    Dim oManf As DawnManf.UManf
    Dim oRSOrg As ADODB.Recordset
    Dim oRsManf As ADODB.Recordset
    Dim oRSManfUrl As ADODB.Recordset
    Dim lOrderID As Long
    Dim sURL As String
    Dim oDBOrderHeader As DawnOrder.DBOrdHdr
    Dim oSeq As DawnSeq.BSequence
    Dim oDBManf As DawnManf.DBOrder
    Dim oRSbasket As ADODB.Recordset
    Dim oShop As DawnShop.DBShop
    Dim oDBItem As DawnOrder.DBOrdItem
    Dim oUser As DawnUser.UMember
    Dim oRSUser As ADODB.Recordset
    Dim lOrderNumber As Long
    Dim lRow As Long
    Dim lCounter As Long
    Dim lNull As Long
    Dim sSoldToFirstName As String
    Dim sSoldToLastName As String
    Dim sSoldToAddr1 As String
    Dim sSoldToAddr2 As String
    Dim sSoldToCity As String
    Dim sSoldToState As String
    Dim sSoldToZip As String
    Dim sSoldToCountry As String
    Dim lDesignID As Long
    Dim sSoldToCompName As String
    Dim sEmail As String
    Dim lOrgID As Long
    Dim oAddr As DawnAddr.UAddr
    Dim lHistoryID As Long

    'disable commit
    Set oContext = GetObjectContext
    If Not oContext Is Nothing Then
        oContext.DisableCommit
    End If

    'business rule
    'if the order is from a KIOSK mfr, then the order should be placed with the
source mfr
    'directly and not with the kiosk
    '(ss_ind=1, pl_ind=1 and unattend_oper_ind=1) for a kiosk in the mfr table
    Set oManf = CtxCreateObject("DawnManf.UManf")
    Set oRsManf = GetSQLRecordset(" SELECT ss_ind, pl_mfr_ind, unattend_oper_ind " &
_
                                                    " FROM mfr WHERE mfr_id = " &
CStr(alManfID))
    Set oRSManfUrl = oManf.GetManfUrls(alManfID)
    If oRSManfUrl.RecordCount > 0 Then sURL = oRSManfUrl!base_url

    If oRsManf("ss_ind") = 1 And oRsManf("pl_mfr_ind") = 0 And
oRsManf("unattend_oper_ind") = 1 Then
            'get the mfr_id for source mfr from the org table
            Set oRSOrg = GetSQLRecordset("SELECT org_id, mfr_id FROM org WHERE
pl_mfr_id = " & CStr(alManfID))
```

```
            'set that to be the current mfr
            If Not oRSOrg.EOF Then
                alOnBehalfOfManfID = alManfID
                alManfID = oRSOrg("mfr_id")
            End If
            Set oRSOrg = Nothing
    End If

    'generate order ID sequence
    Set oSeq = CtxCreateObject("DawnSeq.BSequence")
    lOrderID = oSeq.GetNextInSequence("ord_hdr")
    Set oSeq = Nothing

    'get an order number from Manufacturer DB component and check for error
    Set oDBManf = CtxCreateObject("DawnManf.DBOrder")
    lOrderNumber = oDBManf.GetNextOrderNumber(alManfID)
    If IsNull(lOrderNumber) Or lOrderNumber <= 0 Then
        RaiseResError DawnOrderErrors.ecManfOrderNumberGenerationFailed,
TypeName(Me), "IntAddOrder"
    End If

    'get the user address details for regular orders and mfr address for pipeline
orders
    If alOrdSrcManfID <= 0 Then
            Set oUser = CtxCreateObject("DawnUser.UMember")
            Set oRSUser = oUser.GetMember(aluserID)
            sSoldToFirstName = oRSUser("frst_nme")
            sSoldToLastName = oRSUser("lst_nme")
            sSoldToAddr1 = oRSUser("addr_1")
            sSoldToAddr2 = IIf(IsNull(oRSUser("addr_2")), vbNullString,
oRSUser("addr_2"))
            sSoldToCity = oRSUser("city")
            sSoldToState = oRSUser("st_prov")
            sSoldToZip = oRSUser("zip_pstl_cd")
            sSoldToCountry = oRSUser("country")
            sSoldToCompName = oRSUser("company_nme")
            If Not IsNull(oRSUser("org_id")) Then lOrgID = oRSUser("org_id")
    Else
            Set oRSUser = oManf.GetManfByID(alOrdSrcManfID)
            sSoldToLastName = oRSUser("mfr_nme")
            Set oRSUser = Nothing
            Set oAddr = CtxCreateObject("DawnAddr.UAddr")
            Set oRSUser = oAddr.GetManfAddress(alOrdSrcManfID, 2)
            If oRSUser.RecordCount > 0 Then
                sSoldToFirstName = ""
                sSoldToAddr1 = oRSUser("addr_1")
                sSoldToAddr2 = IIf(IsNull(oRSUser("addr_2")), vbNullString,
oRSUser("addr_2"))
                sSoldToCity = oRSUser("city")
                sSoldToState = oRSUser("st_prov")
                sSoldToZip = oRSUser("zip_pstl_cd")
                sSoldToCountry = oRSUser("country")
                sSoldToCompName = ""
            End If
            lOrgID = 0
    End If

    'call DB function
    Set oDBOrderHeader = CtxCreateObject("DawnOrder.DBOrdHdr")
    lRow = oDBOrderHeader.AddOrder( _
        lOrderID, aluserID, alOrdSrcManfID, alOrgID, alManfID, lOrderNumber, _
        alShipFromManfID, Now, DawnOrderStatus.osSubmitted, asPONumber, asRefNumber,
_
```

```
        sSoldToFirstName, sSoldToLastName, sSoldToAddr1, sSoldToAddr2, sSoldToCity,
_
        sSoldToState, sSoldToZip, sSoldToCountry, _
        asShipToName, asShipToAddr1, asShipToAddr2, asShipToCity, asShipToState,
asShipToZip, asShipToCountry, _
        asBillToName, asBillToAddr1, asBillToAddr2, asBillToCity, asBillToState,
asBillToZip, asBillToCountry, _
        asCreditcardNumber, asCreditCardExpiryDate, asDropShipIndicator,
asBillTypeCD, _
        asShipBriefDescr, acTax, acShippingCost, asInternalNotes, asPipelineNotes, _
        asShippingInstructions, asShipToPhone, asShipToExt, asBillToPhone,
asBillToExt, _
        asBillToAltPhone, asBillToAltExt, asBillBriefDescr, asBillDescr,
asShipDescr, _
        sSoldToCompName, asShipToCompanyNme, asBillToCompanyNme, alOnBehalfOfManfID,
asCreditcardName, asURL)

    'check for error
    If lRow <> 1 Then
        RaiseResError DawnOrderErrors.ecAddOrderFailed, TypeName(Me), "IntAddOrder"
    End If

    'add row to order history table
'    Set oDBOrdHist = CtxCreateObject("DawnOrder.DBOrdHist")
    lHistoryID = AddOrderHistory(lOrderID, 1, aluserID, "", asEmail, 0, asIPAddress,
DawnOrderStatus.osSubmitted)

    Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'    Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")

    'If not a pipelined order
    If alOrdSrcManfID <= 0 Then
                'add all shopping basket items to the order items table
                Set oShop = CtxCreateObject("DawnShop.DBShop")
                Set oRSbasket = oShop.GetItems(aluserID)

                'raise an error if there are no items in the basket
                If oRSbasket.EOF Then
                    RaiseResError DawnOrder.DawnOrderErrors.ecNoItemsInBasket,
TypeName(Me), "IntAddOrder"
                End If

                'create db comp for order items and add all the items and also make
an entry into the item history table
                lCounter = 1
                oRSbasket.MoveFirst
                Do Until oRSbasket.EOF
                        'add order item
                        lDesignID = 0 'Clears any previous value
                        If Not IsNull(oRSbasket("design_id")) Then
                            lDesignID = oRSbasket("design_id")
                        End If
                        lRow = oDBItem.AddOrderItem( _
                                        lOrderID, lCounter,
oRSbasket("part_id"), lNull, lNull, _
                                        CStr(DawnItemStatus.osItemSubmitted),
oRSbasket("qty"), lNull, lNull, _
                                        oRSbasket("unit_price"), lDesignID)
                        'check for errors
                        If lRow <> 1 Then
                            RaiseResError DawnOrderErrors.ecAddOrderItemFailed,
TypeName(Me), "IntAddOrder"
                        End If
```

```
                        'add order item history
                        AddOrderItemHistory lOrderID, lCounter, "New Item Added",
asEmail, asIPAddress, osItemSubmitted

                        lCounter = lCounter + 1
                        oRSbasket.MoveNext
                Loop

                'delete all the shopping items from the shopping basket
                oRSbasket.MoveFirst
                Do Until oRSbasket.EOF
                        lRow = oShop.DeleteItemFromBasket( _
                                        aluserID, oRSbasket("item_seq_num"),
oRSbasket("last_maint_dtm"))

                        'check for errors
                        If lRow <> 1 Then
                            RaiseResError
DawnOrderErrors.ecDeleteShoppingBasketItemFailed, TypeName(Me), "IntAddOrder"
                        End If
                        oRSbasket.MoveNext
                Loop

                'Send e-amil to user.
                UpdateOrderNotes lOrderID, lHistoryID, asInternalNotes,
asPipelineNotes, "", asShippingInstructions
                sEmail = CreateEmail(lOrderID, asEmail, emAddOrder)

    Else 'Pipeline order - notes are updated in Pipeline function for pipeline
orders

                lDesignID = 0 'Clears any previous value
                lCounter = 1
                If Not oRsPipeItems.EOF Then oRsPipeItems.MoveFirst
                Do While Not oRsPipeItems.EOF

                        If Not IsNull(oRsPipeItems("design_id")) Then
                            lDesignID = oRsPipeItems("design_id")
                        End If
                        lRow = oDBItem.AddOrderItem( _
                                        lOrderID, lCounter,
oRsPipeItems("part_id"), oRsPipeItems!pipe_ord_id, _
                                        oRsPipeItems!pipe_item_num,
CStr(DawnItemStatus.osItemSubmitted), _
                                        oRsPipeItems!ord_qty, lNull, lNull,
oRsPipeItems!unit_price, lDesignID)
                        'check for errors
                        If lRow <> 1 Then
                            RaiseResError DawnOrderErrors.ecAddOrderItemFailed,
TypeName(Me), "IntAddOrder"
                        End If

                        'add order item history
                        AddOrderItemHistory lOrderID, lCounter, "New Item Added",
asEmail, asIPAddress, osItemSubmitted

                        oRsPipeItems.MoveNext
                        lCounter = lCounter + 1

                Loop

                'send email to src mfr
```

```
                UpdateOrderNotes lOrderID, lHistoryID, "", "", "",
asShippingInstructions
                sEmail = CreateEmail(lOrderID, asEmail, emAddOrder, , , , , True)

    End If

    'Send e-amil to mfr for regular orders and pipeline mfr for pipeline orders
    If alOrdSrcManfID <= 0 Then
        sEmail = CreateEmail(lOrderID, "", emAddOrder, , , , lOrgID)
    Else
        sEmail = CreateEmail(lOrderID, "", emAddOrder, , , , lOrgID, True)
    End If

    'set up default src mfrs for the items if the items have only one source mfr
    Call SetSourceMfr(alManfID, lOrderID)

    Set IntAddOrder = oDBOrderHeader.GetOrder(lOrderID)

    Set oRsManf = Nothing
    Set oRSManfUrl = Nothing
    Set oManf = Nothing
    Set oRSOrg = Nothing
    Set oContext = Nothing
    Set oDBOrderHeader = Nothing
    Set oSeq = Nothing
    Set oDBManf = Nothing
    Set oRSbasket = Nothing
    Set oShop = Nothing
    Set oDBItem = Nothing
'     Set oDBOrdHist = Nothing
'     Set oDBItemHist = Nothing
    Set oUser = Nothing
    Set oRSUser = Nothing
    Set oAddr = Nothing

    If Not oContext Is Nothing Then
        oContext.EnableCommit
    End If
    CtxSetComplete

    Exit Function

    'error
ErrHandler:
    If Not oContext Is Nothing Then
        oContext.EnableCommit
    End If
    CtxSetAbort

    Set oRsManf = Nothing
    Set oRSManfUrl = Nothing
    Set oManf = Nothing
    Set oRSOrg = Nothing
    Set oContext = Nothing
    Set oDBOrderHeader = Nothing
    Set oSeq = Nothing
    Set oDBManf = Nothing
    Set oRSbasket = Nothing
    Set oShop = Nothing
    Set oDBItem = Nothing
'     Set oDBOrdHist = Nothing
'     Set oDBItemHist = Nothing
    Set oUser = Nothing
```

```
    Set oRSUser = Nothing
    Set oAddr = Nothing

    RaiseError TypeName(Me), "IntAddOrder"
    Exit Function

End Function

'================================================
'this function updates an order
'input - all the fields in the ORD_HDR table - except status - status is not updated
here
'  record set with the updated order
'================================================

Public Function UpdateOrder(ByVal alOrderID As Long, _
    ByVal asPONumber As String, ByVal asRefNumber As String, _
    ByVal asShipToName As String, ByVal asShipToAddr1 As String, ByVal asShipToAddr2
As String, _
    ByVal asShipToCity As String, ByVal asShipToState As String, ByVal asShipToZip
As String, _
    ByVal asShipToCountry As String, ByVal asBillToName As String, ByVal
asBillToAddr1 As String, _
    ByVal asBillToAddr2 As String, ByVal asBillToCity As String, ByVal asBillToState
As String, _
    ByVal asBillToZip As String, ByVal asBillToCountry As String, _
    ByVal asCreditcardNumber As String, ByVal asCreditCardExpiryDate As String, _
    ByVal asDropShipIndicator As String, ByVal alBillTypeCD As String, ByVal
alShipBriefDescr As String, _
    ByVal acTax As Currency, ByVal acShippingCost As Currency, ByVal asInternalNotes
As String, _
    ByVal adMaintDate As Date, ByVal alEmailInd As Long, ByVal asEmailNotes As
String, _
    ByVal asEmail As String, ByVal asIPAddress As String, asPipelineNotes As String,
_
    ByVal asShippingInstructions As String, ByVal ShipToPhone As String, ByVal
ShipToExt As String, _
    ByVal BillToPhone As String, ByVal BillToExt As String, ByVal BillToAltPhone As
String, _
    ByVal BillToAltExt As String, ByVal asCreditcardName As String, ByVal aluserID
As Long, _
    ByVal alBillBriefDescr As String, ByVal alBillDescr As String, ByVal alShipDescr
As String, _
    ByVal asSoldToCompanyNme As String, ByVal asShipToCompanyNme As String, _
    ByVal asBillToCompanyNme As String) As ADODB.Recordset

    On Error GoTo ErrHandler

    'var
    Dim oDBOrderHeader As DawnOrder.DBOrdHdr
'    Dim oDBhist As DawnOrder.DBOrdHist
    Dim lRow As Long
    Dim lNull As Long
    Dim oRS As ADODB.Recordset
    Dim lHistoryID As Long

    'call DB level function
    Set oDBOrderHeader = CtxCreateObject("DawnOrder.DBOrdHdr")
    lRow = oDBOrderHeader.UpdateOrder( _
        alOrderID, asPONumber, asRefNumber, _
        asShipToName, asShipToAddr1, asShipToAddr2, asShipToCity, asShipToState,
asShipToZip, asShipToCountry, _
        asBillToName, asBillToAddr1, asBillToAddr2, asBillToCity, asBillToState,
```

```
asBillToZip, asBillToCountry, _
        asCreditcardNumber, asCreditCardExpiryDate, asDropShipIndicator,
alBillTypeCD, alShipBriefDescr, _
        acTax, acShippingCost, asInternalNotes, adMaintDate, asPipelineNotes,
asShippingInstructions, _
        alEmailInd, ShipToPhone, ShipToExt, BillToPhone, BillToExt, BillToAltPhone,
BillToAltExt, _
        asCreditcardName, aluserID, alBillBriefDescr, alBillDescr, alShipDescr,
asSoldToCompanyNme, _
        asShipToCompanyNme, asBillToCompanyNme)

    'check for errors
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderFailed, TypeName(Me),
"UpdateOrder"
    End If

    Set oRS = oDBOrderHeader.GetOrder(alOrderID)

    'call Db function to add order history and notes
'    Set oDBhist = CtxCreateObject("DawnOrder.DBOrdHist")
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail, 0,
asIPAddress, oRS!ord_stus_cd)
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes

    'get record set of the updated order
    Set UpdateOrder = oRS

    'end function
    CtxSetComplete
    Set oDBOrderHeader = Nothing
'    Set oDBhist = Nothing
    Exit Function

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrderHeader = Nothing
'    Set oDBhist = Nothing
    RaiseError TypeName(Me), "UpdateOrder"

End Function

'================================================
'this function updates an order item
'input - all the fields in the ORD_item table - except status - status is not
updated here
' record set with the updated order item
'================================================
Public Function UpdateOrderItem( _
    ByVal alOrderID As Long, ByVal alItemNumber As Long, ByVal alPartID As Long, _
    ByVal alPipelineOrderID As Long, ByVal alPipelineItemNumber As Long, _
    ByVal alOrderQty As Long, ByVal alShipQty As Long, _
    ByVal alReturnQty As Long, ByVal acUnitPrice As Currency, ByVal alDesignID As
Long, _
    ByVal adMaintDate As Date, ByVal asInternalNotes As String, ByVal alEmailInd As
Long, _
    ByVal asEmailNotes As String, ByVal asEmail As String, ByVal asIPAddress As
String, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, ByVal
aluserID As Long) _
    As ADODB.Recordset
```

```
    On Error GoTo ErrHandler

    'var
    Dim oDBOrderItem As DawnOrder.DBOrdItem
'    Dim oDBItemHist As DawnOrder.DBOrdItemHist
    Dim oDBOrd As DawnOrder.DBOrdHdr
'    Dim oDBOrdHist As DawnOrder.DBOrdHist
    Dim oRS As ADODB.Recordset
    Dim lRow As Long
    Dim lHistoryID As Long

    'update order item - call db function
    Set oDBOrderItem = CtxCreateObject("DawnOrder.DBOrdItem")
    lRow = oDBOrderItem.UpdateOrderItem( _
                alOrderID, alItemNumber, alPartID, alPipelineOrderID,
alPipelineItemNumber, _
                alOrderQty, alShipQty, alReturnQty, acUnitPrice, alDesignID,
adMaintDate)

    'check for errors
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderItemFailed, _
                            TypeName(Me), "UpdateOrderItem"
    End If

     Set oRS = oDBOrderItem.GetOrderItem(alOrderID, alItemNumber)

    'enter a row in item history table
'    Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")
    AddOrderItemHistory alOrderID, alItemNumber, "Order Item was Updated", asEmail,
asIPAddress, oRS!item_stus_cd

    'update order history
    Set oDBOrd = CtxCreateObject("DawnOrder.DBOrdHdr")
    Set oRS = oDBOrd.GetOrder(alOrderID)
'    Set oDBOrdHist = CtxCreateObject("dawnOrder.DBOrdHist")
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, asEmailNotes,
asEmail, 0, asIPAddress, oRS!ord_stus_cd)
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes

    'get record set of the updated order
    Set UpdateOrderItem = oDBOrderItem.GetOrderItem(alOrderID, alItemNumber)

    'exit function
    CtxSetComplete
    Set oDBOrderItem = Nothing
'    Set oDBItemHist = Nothing
    Set oDBOrd = Nothing
'    Set oDBOrdHist = Nothing
    Exit Function

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrderItem = Nothing
'    Set oDBItemHist = Nothing
    Set oDBOrd = Nothing
'    Set oDBOrdHist = Nothing
    RaiseError TypeName(Me), "UpdateOrderItem"

End Function
```

```
'================================================================================
=============
'this function updates the order item mfr source for the item ,
'input - Order ID, 2D array with item number and source manf id
' for 2 nd dimension : 0 element is item number, 1 element is source mfr ID
'none
'================================================================================
=============
Public Sub UpdateOrderItemSource(ByVal alOrderID As Long, ByVal arrItemManfArray As
Variant, _
    ByVal asInternalNotes As String, ByVal adOrderMaintDate As Date, ByVal asEmail
As String, _
    ByVal asIPAddress As String, ByVal asEmailNotes As String, ByVal alEmailInd As
Long, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, ByVal
aluserID As Long)

    On Error GoTo ErrHandler

    'vars
    Dim oDBOrder As DawnOrder.DBOrdHdr
'    Dim oDBOrdHist As DawnOrder.DBOrdHist
    Dim oDBItem As DawnOrder.DBOrdItem
'    Dim oDBItemHist As DawnOrder.DBOrdItemHist
    Dim lItemNumber As Long
    Dim lManfID As Long
    Dim lRow As Long
    Dim lCounter As Long
    Dim lStatus As Long
    Dim lStatusOriginal As Long
    Dim oRsItem As ADODB.Recordset
    Dim lHistoryID As Long

    'create DB component to add the data
    Set oDBOrder = CtxCreateObject("DawnOrder.DBOrdHdr")
'    Set oDBOrdHist = CtxCreateObject("DawnOrder.DBOrdHist")
    Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'    Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")

    'loop thru the array to get the item numbers and source mfr IDs
    For lCounter = 0 To UBound(arrItemManfArray)

        'get item number and source mfr ID from array
        lItemNumber = arrItemManfArray(lCounter, 0)
        lManfID = arrItemManfArray(lCounter, 1)

        'change only if value >= 0
        If lManfID >= 0 Then
                'check to make sure item has valid status for source to be updated
                'item can be submitted, to Mfg, to Pipeline, pipeline reject or
pipeline cancelled only
                Set oRsItem = oDBItem.GetOrderItem(alOrderID, lItemNumber)
                If oRsItem.EOF Then
                    RaiseResError
DawnOrder.DawnOrderErrors.ecOrderItemNumberNotValid, TypeName(Me), _
                            "UpdateOrderItemSource(" & "Order ID: " & CStr(alOrderID) &
", Item Number : " & CStr(lItemNumber) & ")"
                End If
                lStatusOriginal = CLng(oRsItem!item_stus_cd)
                If Not (lStatusOriginal = DawnOrder.DawnItemStatus.osItemSubmitted
Or _
                    lStatusOriginal = DawnOrder.DawnItemStatus.osItemToPipeline Or _
```

```
                    lStatusOriginal = DawnOrder.DawnItemStatus.osItemReleasedtoManf
Or _
                    lStatusOriginal =
DawnOrder.DawnItemStatus.osItemPipelineCancelled Or _
                    lStatusOriginal =
DawnOrder.DawnItemStatus.osItemPipelineRejected) Then
                    RaiseResError
DawnOrder.DawnOrderErrors.ecItemSourceUpdateNotAllowed, TypeName(Me), _
                        "UpdateOrderItemSource(" & "Order ID: " & CStr(alOrderID) &
", Item Number : " & CStr(lItemNumber) & ")"
                End If
                lStatus = IIf(lManfID = 0, DawnItemStatus.osItemReleasedtoManf,
DawnItemStatus.osItemToPipeline)

                'update source mfr to item
                lRow = oDBItem.UpdateOrderItemSource(alOrderID, lItemNumber,
lManfID)
                If lRow <> 1 Then
                    RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderItemFailed,
_
                                TypeName(Me), "UpdateOrderItemSource"
                End If

                'update item status if item is not submitted
                If Not lStatusOriginal = DawnOrder.DawnItemStatus.osItemSubmitted
Then
                    lRow = oDBItem.UpdateOrderItemStatus(alOrderID, lItemNumber,
lStatus)
                            If lRow <> 1 Then
                                RaiseResError
DawnOrder.DawnOrderErrors.ecUpdateOrderItemStatusFailed, _
                                            TypeName(Me), "UpdateOrderItemSource"
                            End If
                End If

                'add row in history for item
                AddOrderItemHistory alOrderID, lItemNumber, _
                                                "Order Item Source Manufacturer and
Order Item Status were Updated", _
                                                asEmail, asIPAddress, lStatus
        End If
    Next

    'call Db function to add order history and notes
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail, 0,
asIPAddress, DawnOrderStatus.osInProcess)
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes

    'end
    CtxSetComplete

    Set oDBOrder = Nothing
'    Set oDBOrdHist = Nothing
    Set oDBItem = Nothing
'    Set oDBItemHist = Nothing

    Exit Sub

ErrHandler:

    CtxSetAbort
```

```
    Set oDBOrder = Nothing
'    Set oDBOrdHist = Nothing
    Set oDBItem = Nothing
'    Set oDBItemHist = Nothing

    RaiseError TypeName(Me), "UpdateOrderItemSource"

End Sub

'================================================
'this function updates an order status
'input - order is, status, last maint date, email, ip address
' record set with order details
'================================================
Public Sub UpdateOrderStatus( _
    ByVal alOrderID As Long, ByVal alOrderStatusCode As Long, ByVal asInternalNotes
As String, _
    ByVal adMaintDate As Date, ByVal asEmail As String, ByVal asIPAddress As String,
_
    ByVal asEmailNotes As String, ByVal alEmailIndicator As Long, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, ByVal
aluserID As Long)

    On Error GoTo ErrHandler

    Call IntUpdateOrderStatus(alOrderID, alOrderStatusCode, asInternalNotes, _
                              adMaintDate, asEmail, asIPAddress, asEmailNotes,
alEmailIndicator, asPipelineNotes, _
                              asShippingInstructions, aluserID)

    SendEmails
    CtxSetComplete

    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    RaiseError TypeName(Me), "UpdateOrderStatus"

End Sub

Private Sub IntUpdateOrderStatus( _
    ByVal alOrderID As Long, ByVal alOrderStatusCode As Long, ByVal asInternalNotes
As String, _
    ByVal adMaintDate As Date, ByVal asEmail As String, ByVal asIPAddress As String,
_
    ByVal asEmailNotes As String, ByVal alEmailInd As Long, ByVal asPipelineNotes As
String, _
    ByVal asShippingInstructions As String, ByVal aluserID As Long)

    On Error GoTo ErrHandler

    'var
    Dim oDBOrder As DawnOrder.DBOrdHdr
'    Dim oDBhist As DawnOrder.DBOrdHist
    Dim oDBItem As DawnOrder.DBOrdItem
'    Dim oDBItemHist As DawnOrder.DBOrdItemHist
    Dim lRow As Long
    Dim lNull As Long
    Dim loldOrderStatus As Long
    Dim oRS As ADODB.Recordset
    Dim oRSItems As ADODB.Recordset
```

```
    Dim sItemHistoryDescription As String
    Dim lItemStatus As Long
    Dim lSrcMfr As Long
    Dim lHistoryID As Long

    'rule - order status cannot be set to partiallyShipped or Shipped directly
    'it will be done by the system, when item status is changed to shipped
    If alOrderStatusCode = DawnOrder.DawnOrderStatus.osPartiallyShipped Or _
        alOrderStatusCode = DawnOrder.DawnOrderStatus.osShipped Then
        RaiseResError DawnOrder.DawnOrderErrors.ecOrderStatusNotAllowed,
TypeName(Me), "IntUpdateOrderStatus"
    End If

    'create  DB objects
    Set oDBOrder = CtxCreateObject("DawnOrder.DBOrdHdr")
'     Set oDBhist = CtxCreateObject("DawnOrder.DBOrdHist")

    'create db objects for items
    Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'     Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")

    'rule - if order is partially shipped, fully shipped, cancelled, rejected,
onhold
    'then no order status change is allowed
    lOldOrderStatus = oDBOrder.GetOrderStatus(alOrderID)
     If lOldOrderStatus = DawnOrder.DawnOrderStatus.osPartiallyShipped Or _
        lOldOrderStatus = DawnOrder.DawnOrderStatus.osShipped Then
        RaiseResError DawnOrder.DawnOrderErrors.ecOrderAlreadyShipped, TypeName(Me),
"IntUpdateOrderStatus"
    End If
    If lOldOrderStatus = DawnOrder.DawnOrderStatus.osCancelled Or _
        lOldOrderStatus = DawnOrder.DawnOrderStatus.osRejected Or _
        lOldOrderStatus = DawnOrder.DawnOrderStatus.osOnhold Then
        RaiseResError DawnOrder.DawnOrderErrors.ecOrderStopped, TypeName(Me),
"IntUpdateOrderStatus"
    End If

    'get order items to a record set
    Set oRSItems = oDBItem.GetOrderItems(alOrderID)

    '7/13/2000 uday
    'rule - if there is any item in pipline processing then, if the mfr is trying to
PUT BACK
    'an order, do not allow the order status change
    If (lOldOrderStatus = DawnOrder.DawnOrderStatus.osInProcess And
alOrderStatusCode = DawnOrder.DawnOrderStatus.osCreditReview) Or _
        (lOldOrderStatus = DawnOrder.DawnOrderStatus.osCreditReview And
alOrderStatusCode = DawnOrder.DawnOrderStatus.osSubmitted) Then
                'if there is even one item with pipeline status, do not allow this
change
                If oRSItems.RecordCount > 0 Then oRSItems.MoveFirst
                Do While Not oRSItems.EOF
                    If oRSItems!item_stus_cd =
DawnOrder.DawnItemStatus.osItemInPipeline Or _
                        oRSItems!item_stus_cd =
DawnOrder.DawnItemStatus.osItemPipelineCancelled Or _
                        oRSItems!item_stus_cd =
DawnOrder.DawnItemStatus.osItemPipelineComplete Or _
                        oRSItems!item_stus_cd =
DawnOrder.DawnItemStatus.osItemPipelineDropShipped Or _
                        oRSItems!item_stus_cd =
DawnOrder.DawnItemStatus.osItemPipelineRejected Then
                                        RaiseResError ecOrderStatusNotAllowed,
```

```
TypeName(Me), "IntUpdateOrderStatus"
                    End If
                    oRSItems.MoveNext
                Loop
    End If

    oRSItems.MoveFirst
    'call DB level function - update order status
    lRow = oDBOrder.UpdateOrderStatus(alOrderID, CStr(alOrderStatusCode),
adMaintDate)

    'check for errors
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderStatusFailed,
TypeName(Me), "IntUpdateOrderStatus" _
                & CStr(alOrderID) & " " & CStr(alOrderStatusCode) & " " &
CStr(adMaintDate)
    End If

    'call Db function to add order history
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail,
lNull, asIPAddress, alOrderStatusCode)

    If alOrderStatusCode = DawnOrder.DawnOrderStatus.osSubmitted Or _
        alOrderStatusCode = DawnOrder.DawnOrderStatus.osCreditReview Or _
        alOrderStatusCode = DawnOrder.DawnOrderStatus.osInProcess Then

        If Not oRSItems.EOF Then
            Do Until oRSItems.EOF
                'get item source mfr, based on source, item will either go to mfg
que or pipeline que
                'new rule, if no src mfr, then set to pipeline 6/13/00 uday
                If Not IsNull(oRSItems!src_mfr_id) Then
                    lSrcMfr = oRSItems!src_mfr_id
                Else
                    lSrcMfr = -1
                End If
                Select Case alOrderStatusCode
                    Case Is = DawnOrder.DawnOrderStatus.osInProcess
                        'set up item status code based on src mfr Id
                        If lSrcMfr <> 0 Then
                            lItemStatus = DawnOrder.DawnItemStatus.osItemToPipeline
                            sItemHistoryDescription = "Order Item Status was Updated
to To Pipeline"
                        Else
                            lItemStatus =
DawnOrder.DawnItemStatus.osItemReleasedtoManf
                            sItemHistoryDescription = "Order Item Status was Updated
to Released To Manufacturer"
                        End If
                    Case Is = DawnOrder.DawnOrderStatus.osCreditReview
                        sItemHistoryDescription = "Order Item Status was Updated to
Item Submitted"
                        lItemStatus = DawnOrder.DawnItemStatus.osItemSubmitted
                    Case Is = DawnOrder.DawnOrderStatus.osSubmitted
                        sItemHistoryDescription = "Order Item Status was Updated to
Item Submitted"
                        lItemStatus = DawnOrder.DawnItemStatus.osItemSubmitted
                End Select

                 'Update order item status
                lRow = oDBItem.UpdateOrderItemStatus(alOrderID,
oRSItems("item_num"), _
```

```
                        CStr(lItemStatus))

                'check for errors
                If lRow <> 1 Then
                    RaiseResError
DawnOrder.DawnOrderErrors.ecUpdateOrderItemStatusFailed, TypeName(Me),
"IntUpdateOrderStatus"
                End If

                'add item history
                AddOrderItemHistory alOrderID, oRSItems("item_num"),
sItemHistoryDescription, asEmail, asIPAddress, lItemStatus

                oRSItems.MoveNext
            Loop
        End If

    End If

    'call DB level function - update order status
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes

    If alEmailInd = 1 Then
        asEmailNotes = CreateEmail(alOrderID, asEmail, emUpdateOrderStatus,
asEmailNotes)
    End If


    'end function
    CtxSetComplete
    Set oDBOrder = Nothing
'    Set oDBhist = Nothing
    Set oDBItem = Nothing
'    Set oDBItemHist = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrder = Nothing
'    Set oDBhist = Nothing
    Set oDBItem = Nothing
'    Set oDBItemHist = Nothing

    RaiseError TypeName(Me), "IntUpdateOrderStatus"

End Sub
'================================================
'this function updates an order item status
'input - order id, status, last maint date, email, ip address
' record set with the updated order item detail
'================================================
Public Function UpdateOrderItemStatus( _
    ByVal alOrderID As Long, ByVal arrItemNumber As Variant, ByVal arrItemSource As
Variant, _
    ByVal arrShipDate As Variant, ByVal arrTrackNum As Variant, ByVal
alOrderItemStatusCode As Long, _
    ByVal asInternalNotes As String, ByVal adOrderMaintDate As Date, ByVal asEmail
As String, _
    ByVal asIPAddress As String, ByVal asEmailNotes As String, ByVal alEmailInd As
Long, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, ByVal
```

```
aluserID As Long) _
    As ADODB.Recordset


    On Error GoTo ErrHandler

    Set UpdateOrderItemStatus = IntUpdateOrderItemStatus( _
        alOrderID, arrItemNumber, arrItemSource, arrShipDate, arrTrackNum,
alOrderItemStatusCode, asInternalNotes, _
        adOrderMaintDate, asEmail, asIPAddress, asEmailNotes, alEmailInd,
asPipelineNotes, asShippingInstructions, aluserID)

    SendEmails
    'exit
    CtxSetComplete
    Exit Function

    'error
ErrHandler:
    CtxSetAbort
    RaiseError TypeName(Me), "UpdateOrderItemStatus"

End Function

Private Function IntUpdateOrderItemStatus( _
    ByVal alOrderID As Long, ByVal arrItemNumber As Variant, ByVal arrItemSource As
Variant, _
    ByVal arrShipDate As Variant, ByVal arrTrackNum As Variant, ByVal
alOrderItemStatusCode As Long, _
    ByVal asInternalNotes As String, ByVal adOrderMaintDate As Date, ByVal asEmail
As String, _
    ByVal asIPAddress As String, ByVal asEmailNotes As String, ByVal alEmailInd As
Long, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, ByVal
aluserID As Long, _
    Optional ByVal alProcess As Long = 1, Optional ByVal abFromPipeline As Boolean =
False) As ADODB.Recordset

    On Error GoTo ErrHandler

    'var
    Dim oDBOrderItem As DawnOrder.DBOrdItem
'     Dim oDBItemHist As DawnOrder.DBOrdItemHist
    Dim oDBOrder As DawnOrder.DBOrdHdr
'     Dim oDBOrdHist As DawnOrder.DBOrdHist
    Dim lRow As Long
    Dim lNull As Long
    Dim lOrderStatus As Long
    Dim oRSorder As ADODB.Recordset
    Dim oRSItems As ADODB.Recordset
    Dim bItemNotCancelled As Boolean
    Dim bItemNotShipped As Boolean
    Dim lNewOrderStatus As Long
    Dim lItemNumber As Long
    Dim lCounter As Long
    Dim lOldItemStatus As Long
    Dim dShipdate As Date
    Dim sTrackNum As String
    Dim bSource As Boolean
    Dim lItemStatus As Long
    Dim sBody As String
    Dim lOrderItemStatusCode As Long
    Dim oManf As DawnManf.UManf
```

```
    Dim oRsManf As ADODB.Recordset
    Dim sSQL As String
    Dim oRSProcess As ADODB.Recordset
    Dim bPipeline As Boolean
    Dim sEmailNotes As String
    Dim dTotal As Double
    Dim lHistoryID As Long
    Dim sEmailOriginal As String

    'record set for handling items in sequence, so that orders are updated together
instead of one item at a time
    Dim oRSUp As ADODB.Recordset
    Dim oRSDn As ADODB.Recordset
    Dim ArrItems() As Long
    Dim arrDate() As Date
    Dim arrTrk() As String
    Dim lOldID As Long
    Dim lUbound As Long

    'rule - item status cannot be changed to ItemSubmitted - this happens only
    'when a new order is created
    If alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemSubmitted Then
        RaiseResError DawnOrder.DawnOrderErrors.ecItemStatusNotAllowed,
TypeName(Me), _
                            "IntUpdateOrderItemStatus"
    End If

'    Checks if arrItemSource exists.
'    We need the on error resume next since arrItemSource is optional.
    On Error Resume Next
        If UBound(arrItemNumber) = UBound(arrItemSource) Then
            If Err = 0 Then bSource = True
            Err.Clear
        End If
    On Error GoTo ErrHandler

    'create db objects
    Set oDBOrderItem = CtxCreateObject("DawnOrder.DBOrdItem")
    'Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")
    Set oDBOrder = CtxCreateObject("DawnOrder.DBOrdHdr")
    'Set oDBOrdHist = CtxCreateObject("DawnOrder.DBOrdHist")
    Set oManf = CtxCreateObject("DawnManf.UManf")

    'rule - if order status is OnHold, Rejected or Cancelled then
    'item statuses cannot be changed

            'get order status
            Set oRSorder = oDBOrder.GetOrder(alOrderID)
            lOrderStatus = oRSorder("ord_stus_cd")

            'check order status, if order is cancelled, change of status is allowed
if item is in pipeline
            If lOrderStatus = DawnOrder.DawnOrderStatus.osRejected Or _
                lOrderStatus = DawnOrder.DawnOrderStatus.osOnhold Then
                    RaiseResError
DawnOrder.DawnOrderErrors.ecItemStatusChangeNotAllowed, _
                                            TypeName(Me), "IntUpdateOrderItemStatus"
            End If

    'end rule check
    'check for pipeline order
    bPipeline = False
    sEmailOriginal = asEmailNotes
```

```
    'set up pipeline record sets
    Set oRSUp = GetClientRS()
    oRSUp.Fields.Append "ord_id", adInteger
    oRSUp.Fields.Append "item_num", adInteger
    oRSUp.Fields.Append "ship_dte", adDate
    oRSUp.Fields.Append "trk_num", adVarChar, 255
    oRSUp.Fields.Append "item_stus", adInteger
    oRSUp.Open
    Set oRSDn = GetClientRS()
    oRSDn.Fields.Append "ord_id", adInteger
    oRSDn.Fields.Append "item_num", adInteger
    oRSDn.Open

    '************ in the loop for variant
    For lCounter = 0 To UBound(arrItemNumber) Step 1

            'get item number
            lItemNumber = CLng(arrItemNumber(lCounter))

            On Error Resume Next
            dShipdate = CDate(arrShipDate(lCounter))
            sTrackNum = CStr(arrTrackNum(lCounter))
            Err.Clear

            'resets error handler
            On Error GoTo ErrHandler

            'get old item status
            lOldItemStatus = oDBOrderItem.GetOrderItemStatus(alOrderID, lItemNumber)

            'if item is cancelled, then do not change item status
            If lOldItemStatus = DawnOrder.DawnItemStatus.osItemCancelled Then
                RaiseResError
DawnOrder.DawnOrderErrors.ecItemStatusChangeNotAllowed, _
                                        TypeName(Me), "IntUpdateOrderItemStatus"
            End If

            'if order is cancelled, then only item status with pipelinecancelled
status can be changed, and the order status
            'will be realsed later in the code
            If lOrderStatus = DawnOrder.DawnOrderStatus.osCancelled And _
                lOldItemStatus <> DawnOrder.DawnItemStatus.osItemPipelineCancelled
Then
                RaiseResError
DawnOrder.DawnOrderErrors.ecItemStatusChangeNotAllowed, _
                                        TypeName(Me), "IntUpdateOrderItemStatus"
            End If

            'The 'In's status (ReleasedToManf and ToPipeline) depend on the source.
            'This checks the source and adjust the status.
            lItemStatus = alOrderItemStatusCode
            If alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemReleasedtoManf
Or _
                alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemToPipeline
Then
                If bSource Then
                    If CLng(arrItemSource(lCounter)) > 0 Then
                        lItemStatus = osItemToPipeline
                    Else
                        lItemStatus = osItemReleasedtoManf
                    End If
                End If
```

```
            End If

            'update order item - call db function
            lRow = oDBOrderItem.UpdateOrderItemStatus( _
                                                alOrderID, lItemNumber,
CStr(lItemStatus))

            'check for errors
            If lRow <> 1 Then
                RaiseResError
DawnOrder.DawnOrderErrors.ecUpdateOrderItemStatusFailed, _
                                            TypeName(Me), "IntUpdateOrderItemStatus"
            End If

            'if order item is shipped, then add shipping info, checked for pipelined
orders
            If alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemShipped Or _
                alOrderItemStatusCode =
DawnOrder.DawnItemStatus.osItemPipelineDropShipped Then
                Call UpdateOrderItemShippingInfo(alOrderID, lItemNumber, dShipdate,
sTrackNum)
                'If the item is in a pipeline, update pipeline order to Pipeline
Complete
                'if the item was drop shipped then to pipeline drop shipped
                    If oRSorder!drop_ship_ind = "1" Then
                        'drop shipped
                        lOrderItemStatusCode = osItemPipelineDropShipped
                    Else
                        'complete
                        lOrderItemStatusCode = osItemPipelineComplete
                    End If
                    Set oRSItems = oDBOrderItem.GetOrderItem(alOrderID, lItemNumber)
                    If Not IsNull(oRSItems!pl_item_num) And (oRSItems!pl_item_num >
0) Then
                        bPipeline = True
                        oRSUp.AddNew
                        oRSUp!ord_id = oRSItems!pl_ord_id
                        oRSUp!item_num = oRSItems!pl_item_num
                        oRSUp!ship_dte = dShipdate
                        oRSUp!trk_num = sTrackNum
                        oRSUp!item_stus = lOrderItemStatusCode
                        oRSUp.Update
                        Set oRSManf = oManf.GetManfByID(oRSorder!ord_src_mfr_id)
                        sEmailNotes = sEmailNotes & vbCrLf &
GetPipelineEmailInfo(alOrderID, lItemNumber, True)
                        sEmailNotes = sEmailNotes & vbCrLf &
GetItemsForEmail(alOrderID, dTotal, Array(lItemNumber)) & vbCrLf
                    End If
            End If

            'enter a row in item history table
            AddOrderItemHistory alOrderID, lItemNumber, "Order Item Status was
Updated", asEmail, asIPAddress, lItemStatus

            'if item was pipeline cancelled or pipeline rejected, all orders items
pipelined from this item have to be stopped.
            If alProcess = 1 Then
                    If alOrderItemStatusCode =
DawnOrder.DawnItemStatus.osItemPipelineCancelled Or _
                        alOrderItemStatusCode =
DawnOrder.DawnItemStatus.osItemPipelineRejected Then
                        'find the order/item to which this item has been pipelined
to
```

```
                        sSQL = " SELECT oi.ord_id , oi.item_num, o.mfr_id,
o.last_maint_dtm, o.ord_stus_cd, o.ord_stop_stus_cd, "
                        sSQL = sSQL & " oi.item_stus_cd, oi.item_stop_stus_cd "
                        sSQL = sSQL & " FROM ord_hdr o, ord_item oi "
                        sSQL = sSQL & " WHERE o.ord_id = oi.ord_id "
                        'order can be on hold or active, item should be active
                        sSQL = sSQL & " AND (o.ord_stop_stus_cd IS NULL OR
o.ord_stop_stus_cd = '6' ) AND oi.item_stop_stus_cd IS NULL "
                        sSQL = sSQL & " AND oi.pl_ord_id = " & CStr(alOrderID) & "
AND oi.pl_item_num = " & CStr(lItemNumber)
                        Set oRSProcess = GetSQLRecordset(sSQL)
                        If oRSProcess.RecordCount > 0 Then
                            bPipeline = True
                            oRSDn.AddNew
                            oRSDn!ord_id = oRSProcess!ord_id
                            oRSDn!item_num = oRSProcess!item_num
                            oRSDn.Update
                            Set oRSManf = oManf.GetManfByID(oRSProcess!mfr_id)
                            sEmailNotes = sEmailNotes & vbCrLf &
GetPipelineEmailInfo(alOrderID, lItemNumber, False)
                            sEmailNotes = sEmailNotes & vbCrLf &
GetItemsForEmail(alOrderID, dTotal, Array(lItemNumber)) & vbCrLf
                        End If
                    End If
            End If
    Next

    '************

    'cancel order if all items in the order is cancelled or pipelineCancelled
    If alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemCancelled Then
        CancelOrder alOrderID, oDBOrder, oDBOrderItem
    End If

    'if item is being moved from pipeline cancelled to some other item status, and
if order is cancelled, then release the order
    If alOrderItemStatusCode <> DawnOrder.DawnItemStatus.osItemPipelineCancelled And
_
        lOrderStatus = DawnOrder.DawnOrderStatus.osCancelled Then
            Call ReleaseOrder(alOrderID, asInternalNotes, adOrderMaintDate, asEmail,
asIPAddress, asEmailNotes, 0, _
                    "", "", aluserID)
    End If

    'rule - if item status is shipped, check all other item statuses.
    'if all items are shipped/dropshiped, mark the order status as Shipped else
    'mark the order status as PartiallyShipped

    If alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemShipped Or _
        alOrderItemStatusCode = DawnOrder.DawnItemStatus.osItemPipelineDropShipped
Then

            'get order and items again
            Set oRSorder = oDBOrder.GetOrder(alOrderID)
            Set oRSItems = oDBOrderItem.GetOrderItems(alOrderID)
            bItemNotShipped = False

            'check all the order item statuses for shipped
            If Not oRSItems.EOF Then
                Do Until oRSItems.EOF
                    If (oRSItems("item_stus_cd") <>
DawnOrder.DawnItemStatus.osItemShipped) And _
                    (oRSItems("item_stus_cd") <>
```

```
DawnOrder.DawnItemStatus.osItemPipelineDropShipped) Then
                        bItemNotShipped = True
                        Exit Do
                    End If
                    oRSItems.MoveNext
                Loop
            End If

            'boolean will be -ve if all items are cancelled, then set the
orderstatus to cancelled
            If bItemNotShipped Then
                lNewOrderStatus = DawnOrder.DawnOrderStatus.osPartiallyShipped
            Else
                lNewOrderStatus = DawnOrder.DawnOrderStatus.osShipped
            End If

            'update order status to shipped/partiallyShipped
            lRow = oDBOrder.UpdateOrderStatus(alOrderID, CStr(lNewOrderStatus), _
                            oRSorder("last_maint_dtm"))
            'check error
            If lRow <> 1 Then
                RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderStatusFailed, _
                                TypeName(Me), "IntUpdateOrderItemStatus"
            End If
    End If

    'call Db function to add order history
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail, 0,
asIPAddress, lOrderStatus)

    'uday 8/15/00 - update all items in an order in one shot
    'update pipeline orders (OrsUp)
    If oRSUp.RecordCount > 0 Then
        oRSUp.Sort = "ord_id, item_num"
        oRSUp.MoveFirst
        lOldID = oRSUp!ord_id
        lUbound = -1
        Do While Not oRSUp.EOF
                If lOldID <> oRSUp!ord_id And lUbound >= 0 Then
                    lUbound = -1
                    Set oRSProcess = oDBOrder.GetOrder(lOldID)
                    IntUpdateOrderItemStatus lOldID, ArrItems, Array(), arrDate,
arrTrk, lOrderItemStatusCode, _
                                                        "",
oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "", -1, 0
                    lOldID = oRSUp!ord_id
                End If
                lUbound = lUbound + 1
                ReDim Preserve ArrItems(lUbound)
                ReDim Preserve arrDate(lUbound)
                ReDim Preserve arrTrk(lUbound)
                ArrItems(lUbound) = oRSUp!item_num
                arrDate(lUbound) = oRSUp!ship_dte
                arrTrk(lUbound) = oRSUp!trk_num
                lOrderItemStatusCode = oRSUp!item_stus

                oRSUp.MoveNext
        Loop
        If lUbound >= 0 Then
            Set oRSProcess = oDBOrder.GetOrder(lOldID)
            IntUpdateOrderItemStatus lOldID, ArrItems, Array(), arrDate, arrTrk,
lOrderItemStatusCode, _
                                                    "", oRSProcess!last_maint_dtm,
```

```
"", asIPAddress, "", 1, "", "", -1, 0
        End If

    End If

    'uday 8/15/00 - update all items in an order in one shot
    'update pipeline orders (Orsdown)
    If oRSDn.RecordCount > 0 Then
        oRSDn.Sort = "ord_id, item_num"
        oRSDn.MoveFirst
        lOldID = oRSDn!ord_id
        lUbound = -1
        ReDim arrayitems(0)
        Do While Not oRSDn.EOF
                If lOldID <> oRSDn!ord_id And lUbound >= 0 Then
                    lUbound = -1
                    Set oRSProcess = oDBOrder.GetOrder(lOldID)
                    Call StopOrderItem(lOldID, ArrItems, 5, "",
oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "", -1, 1)
                    lOldID = oRSDn!ord_id
                End If
                lUbound = lUbound + 1
                ReDim Preserve ArrItems(lUbound)
                ArrItems(lUbound) = oRSDn!item_num
                oRSDn.MoveNext
        Loop
        If lUbound >= 0 Then
            Set oRSProcess = oDBOrder.GetOrder(lOldID)
                    Call StopOrderItem(lOldID, ArrItems, 5, "",
oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "", -1, 1)
        End If
    End If

    'update notes
    If abFromPipeline Then
        UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes, ""
    Else
        UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
sEmailOriginal
    End If

    'send EMail - based on pipeline
    If bPipeline Then

                asEmail = IIf(IsNull(oRsManf!ord_email_addr),
oRsManf!admin_email_addr, oRsManf!ord_email_addr)
                asEmailNotes = sEmailNotes & vbCrLf & asEmailNotes

                'set the message for the Email
                Select Case alOrderItemStatusCode
                Case Is = osItemShipped, osItemPipelineDropShipped,
osItemPipelineComplete
                    asEmailNotes = asEmailNotes & vbCrLf & "System Update: These
items were shipped."
                Case Is = osItemPipelineRejected, osItemPipelineCancelled,
osItemCancelled
                    asEmailNotes = asEmailNotes & vbCrLf & "System Update: These
Items were cancelled."
                End Select

                'this is for mfr to mfr for a pipeline order
                sBody = CreateEmail(alOrderID, asEmail, emUpdateOrderItemStatus,
asEmailNotes, _
```

```
                                                    alOrderItemStatusCode, , ,
bPipeline)
    Else
                'not a pipeline order, this email is for regular mfr to customer
type
                If alOrderItemStatusCode = osItemShipped Or alOrderItemStatusCode =
osItemPipelineDropShipped Then
                    If alProcess = 0 Then
                        'this is thru pipeline process, get customer email ID
                        Set oRSorder = oDBOrder.GetOrder(alOrderID)
                        Set oRSProcess = GetSQLRecordset("SELECT email_addr FROM usr
WHERE usr_id = " & CStr(oRSorder!usr_id))
                        asEmail = oRSProcess!email_addr
                    End If
                        sBody = CreateEmail(alOrderID, asEmail,
emUpdateOrderItemStatus, asEmailNotes, _
                                                            alOrderItemStatusCode,
arrItemNumber, , bPipeline)
                Else
                            If (alEmailInd = 1) And (Len(Trim$(asEmail)) > 0) Then
                                sBody = CreateEmail(alOrderID, asEmail,
emUpdateOrderItemStatus, asEmailNotes, _

alOrderItemStatusCode, arrItemNumber, , bPipeline)
                            End If
                End If
    End If


    'get the order details
    Set IntUpdateOrderItemStatus = oDBOrder.GetOrder(alOrderID)

    'exit function
    CtxSetComplete
    Set oDBOrderItem = Nothing
'     Set oDBItemHist = Nothing
    Set oDBOrder = Nothing
'     Set oDBOrdHist = Nothing
    Set oManf = Nothing
    Set oRsManf = Nothing
    Set oRSorder = Nothing
    Set oRSItems = Nothing
    Set oRSProcess = Nothing
    Set oRSDn = Nothing
    Set oRSUp = Nothing

    Exit Function

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrderItem = Nothing
'     Set oDBItemHist = Nothing
    Set oDBOrder = Nothing
'     Set oDBOrdHist = Nothing
    Set oManf = Nothing
    Set oRsManf = Nothing
    Set oRSorder = Nothing
    Set oRSItems = Nothing
    Set oRSProcess = Nothing
    Set oRSDn = Nothing
    Set oRSUp = Nothing
```

```
    RaiseError TypeName(Me), "IntUpdateOrderItemStatus"
    Exit Function
    Resume
End Function

'================================================
'this function stops an order status - cancel, reject, onhold
'input - order id, status, last maint date, email, ip address, email notes, email
indicator
' nothing
'================================================
Public Sub StopOrder( _
    ByVal alOrderID As Long, ByVal alOrderStopCode As Long, ByVal asInternalNotes As
String, _
    ByVal adMaintDate As Date, ByVal asEmail As String, ByVal asIPAddress As String,
_
    ByVal asEmailNotes As String, ByVal alEmailIndicator As Long, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, _
    ByVal aluserID As Long)

    On Error GoTo ErrHandler

    Call IntStopOrder(alOrderID, alOrderStopCode, asInternalNotes, _
                adMaintDate, asEmail, asIPAddress, asEmailNotes, alEmailIndicator,
asPipelineNotes, asShippingInstructions, aluserID)


    SendEmails

    CtxSetComplete

    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    RaiseError TypeName(Me), "StopOrder"
End Sub

Private Sub IntStopOrder( _
    ByVal alOrderID As Long, ByVal alOrderStopCode As Long, ByVal asInternalNotes As
String, _
    ByVal adMaintDate As Date, ByVal asEmail As String, ByVal asIPAddress As String,
_
    ByVal asEmailNotes As String, ByVal alEmailInd As Long, ByVal asPipelineNotes As
String, _
    ByVal asShippingInstructions As String, ByVal aluserID As Long)

    On Error GoTo ErrHandler

    Dim oDBOrd As DawnOrder.DBOrdHdr
    Dim oDBItem As DawnOrder.DBOrdItem
'    Dim oDBhist As DawnOrder.DBOrdHist
    Dim lRow As Long
    Dim bPipeline As Boolean
    Dim oRS As ADODB.Recordset
    Dim dOrderMaintDate As Date
    Dim lOrderID As Long
    Dim vItems() As Variant
    Dim v() As Variant
    Dim lItemCode As DawnOrder.DawnItemStatus
    Dim oRsPipe As ADODB.Recordset
    Dim oRSProcess As ADODB.Recordset
```

```
    Dim sSQL As String
    Dim lCounter As Long
    Dim vPLItems() As Long
    Dim lPLOrder, lPLCounter As Long
    Dim lHistoryID As Long

    'check for order status
    If alOrderStopCode <> DawnOrder.DawnOrderStatus.osCancelled And _
        alOrderStopCode <> DawnOrder.DawnOrderStatus.osRejected And _
        alOrderStopCode <> DawnOrder.DawnOrderStatus.osOnhold Then
        RaiseResError DawnOrder.DawnOrderErrors.ecOrderStatusNotValid, TypeName(Me),
"IntStopOrder"
    End If

    'stop order
    Set oDBOrd = CtxCreateObject("DawnOrder.DbOrdHdr")
    Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'     Set oDBhist = CtxCreateObject("DawnOrder.DbOrdHist")

    lRow = oDBOrd.StopOrder(alOrderID, alOrderStopCode, adMaintDate)
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderStatusFailed,
TypeName(Me), "IntStopOrder"
    End If

    'add history
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail, 0,
asIPAddress, alOrderStopCode)

    'Checked if the order is pipelined.  If it is and the order is being rejected
    'then reject the original items in the ref_num order.
    '6/21/00, uday process changed, order can have multiple items for pipeline
    'get the items, and now get pl_ord_id  and pl_item_num from this items list and
update each pipelined item seperately
    'if the current order was cancelled or rejected
    'If this is the case do not send the email ( bPipeline = true )

    Set oRS = oDBOrd.GetOrder(alOrderID)
    If (Not IsNull(oRS!ord_src_mfr_id)) And oRS!ord_src_mfr_id > 0 Then
                bPipeline = True
                If (alOrderStopCode = osRejected) Or (alOrderStopCode = osCancelled)
Then
                            If alOrderStopCode = osRejected Then
                                lItemCode = osItemPipelineRejected
                            Else
                                lItemCode = osItemPipelineCancelled
                            End If
                            Set oRS = oDBItem.GetOrderItems(alOrderID)
                            If Not oRS.EOF Then oRS.MoveFirst
                            lCounter = -1
                            lPLCounter = -1
                            lPLOrder = -1
                            lOrderID = -1
                            Do While Not oRS.EOF

                                    If Not IsNull(oRS!pl_ord_id) And Not
IsNull(oRS!pl_item_num) Then
                                        If lOrderID <> oRS!pl_ord_id And lCounter >=
0 Then
                                            IntUpdateOrderItemStatus lOrderID,
vItems, v(), v(), v(), lItemCode, "", dOrderMaintDate, _
                                                asEmail, asIPAddress, "", 0, "", "",
aluserID, 0
```

```
                                    BOrder.cls
                                            lCounter = -1
                                            lOrderID = oRS!pl_ord_id
                                        End If
                                        lOrderID = oRS!pl_ord_id
                                        Set oRSPipe = oDBOrd.GetOrder(lOrderID)
                                        dOrderMaintDate = oRSPipe!last_maint_dtm
                                        lCounter = lCounter + 1
                                        ReDim Preserve vItems(lCounter)
                                        vItems(lCounter) = oRS!pl_item_num

                                        'if this item was pipelined to another
order, go down the chain and
                                        'stop the item for all pipelined orders down
the chain find the order/item to which this item has been pipelined to
                                        sSQL = " SELECT oi.ord_id , oi.item_num,
o.mfr_id, o.last_maint_dtm, o.ord_stus_cd, o.ord_stop_stus_cd, "
                                        sSQL = sSQL & " oi.item_stus_cd,
oi.item_stop_stus_cd "
                                        sSQL = sSQL & " FROM ord_hdr o, ord_item oi
"
                                        sSQL = sSQL & " WHERE o.ord_id = oi.ord_id "
                                        'order can be on hold or active, item should
be active
                                        sSQL = sSQL & " AND (o.ord_stop_stus_cd IS
NULL OR o.ord_stop_stus_cd = '6' ) AND oi.item_stop_stus_cd IS NULL "
                                        sSQL = sSQL & " AND oi.pl_ord_id = " &
CStr(oRS!ord_id) & " AND oi.pl_item_num = " & CStr(oRS!item_num)
                                        Set oRSProcess = GetSQLRecordset(sSQL)
                                            If oRSProcess.RecordCount > 0 Then
                                                If oRSProcess!ord_id <> lPLOrder And
lPLCounter >= 0 Then
                                                    Call StopOrderItem(lPLOrder,
vPLItems, 5, "System Update :  Item was Cancelled or Rejected", _
                                                        oRSProcess!last_maint_dtm,
"", asIPAddress, asEmailNotes, alEmailInd, "", "", -1, 1)
                                                    lPLCounter = -1
                                                    lPLOrder = oRSProcess!ord_id
                                                End If
                                                lPLCounter = lPLCounter + 1
                                                ReDim Preserve vPLItems(lPLCounter)
                                                vPLItems(lPLCounter) =
oRSProcess!item_num
                                            End If
                                    End If
                                oRS.MoveNext
                            Loop
                            If lPLCounter >= 0 Then
                                Call StopOrderItem(lPLOrder, vPLItems, 5, "System
Update :  Item was Cancelled or Rejected", _
                                    oRSProcess!last_maint_dtm, "", asIPAddress,
asEmailNotes, alEmailInd, "", "", -1, 1)
                            End If
                            If lCounter >= 0 Then
                                IntUpdateOrderItemStatus lOrderID, vItems, v(), v(),
v(), lItemCode, "", dOrderMaintDate, _
                                    asEmail, asIPAddress, "", 0, "", "", aluserID, 0
                            End If
                End If
    End If

    'update notes
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes
```

```
    'send email
    If alEmailInd And Not bPipeline Then
        CreateEmail alOrderID, asEmail, emStopOrder, asEmailNotes
    End If

    'complete
    CtxSetComplete
    Set oDBOrd = Nothing
    Set oDBItem = Nothing
'    Set oDBhist = Nothing
    Set oRS = Nothing
    Set oRsPipe = Nothing
    Set oRSProcess = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort

    Set oDBOrd = Nothing
    Set oDBItem = Nothing
'    Set oDBhist = Nothing
    Set oRS = Nothing
    Set oRsPipe = Nothing
    Set oRSProcess = Nothing

    RaiseError TypeName(Me), "IntStopOrder"
End Sub

'================================================
'this function releases an order status - cancel, reject, onhold
'input - order id, status, last maint date, email, ip address, email notes, email
indicator
' nothing
'uday 6/20/00 if order was pipelined, release is not allowed if order is not on hold
'================================================
Public Sub ReleaseOrder( _
    ByVal alOrderID As Long, ByVal asInternalNotes As String, ByVal adMaintDate As
Date, _
    ByVal asEmail As String, ByVal asIPAddress As String, ByVal asEmailNotes As
String, _
    ByVal alEmailInd As Long, ByVal asPipelineNotes As String, _
    ByVal asShippingInstructions As String, ByVal aluserID As Long)

    On Error GoTo ErrHandler

    Dim oDBOrd As DawnOrder.DBOrdHdr
'    Dim oDBhist As DawnOrder.DBOrdHist
    Dim lRow As Long
    Dim oRS As ADODB.Recordset
    Dim lHistoryID As Long

    'release order
    Set oDBOrd = CtxCreateObject("DawnOrder.DbOrdHdr")
'    Set oDBhist = CtxCreateObject("DawnOrder.DbOrdHist")

    'check for pipeline orders
    Set oRS = oDBOrd.GetOrder(alOrderID)
    If (Not IsNull(oRS!ord_src_mfr_id)) And (oRS!ord_stus_cd <> "6") Then
        RaiseResError ecPipelineOrderReleaseNotAllowed, TypeName(Me),
"ReleaseOrderItem"
    End If
```

```
    lRow = oDBOrd.ReleaseOrder(alOrderID, adMaintDate)
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderStatusFailed,
TypeName(Me), "ReleaseOrder"
    End If

    Set oRS = oDBOrd.GetOrder(alOrderID)
    'add history
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail, 0,
asIPAddress, oRS!ord_stus_cd)

    'if email ind, then send email
    If alEmailInd = 1 Then
        CreateEmail alOrderID, asEmail, emUpdateOrderStatus, asEmailNotes
    End If

    'update notes
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes

    'complete
    CtxSetComplete
    Set oDBOrd = Nothing
'     Set oDBhist = Nothing
    Set oRS = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrd = Nothing
'     Set oDBhist = Nothing
    Set oRS = Nothing
    RaiseError TypeName(Me), "ReleaseOrder"
End Sub

'================================================
'this function stops an order item  - cancel
'input - order id, item array, status, last maint date, email, ip address, email
notes, email indicator
' nothing
'================================================
Public Sub StopOrderItem( _
    ByVal alOrderID As Long, ByVal arrItemNumber As Variant, _
    ByVal alOrderItemStopCode As Long, ByVal asInternalNotes As String, _
    ByVal adOrderMaintDate As Date, ByVal asEmail As String, ByVal asIPAddress As
String, _
    ByVal asEmailNotes As String, ByVal alEmailInd As Long, _
    ByVal asPipelineNotes As String, ByVal asShippingInstructions As String, ByVal
aluserID As Long, _
    Optional ByVal alProcess As Long = 0)

    On Error GoTo ErrHandler

    Dim oDBOrd As DawnOrder.DBOrdHdr
'     Dim oDBhist As DawnOrder.DBOrdHist
    Dim oDBItem As DawnOrder.DBOrdItem
'     Dim oDBItemHist As DawnOrder.DBOrdItemHist
    Dim oRSorder As ADODB.Recordset
    Dim oRSItems As ADODB.Recordset
    Dim lRow As Long
    Dim lOrderStatus As Long
    Dim lCounter As Long
```

```
    Dim bItemNotCancelled As Boolean
    Dim oRsItem As ADODB.Recordset
    Dim bPipeline, bPipelineDn As Boolean
    Dim lManf As Long
    Dim lHistoryID As Long

    Dim lOrderID As Long
    Dim vItem(0) As Variant
    Dim dOrderMaintDate As Date
    Dim oRsPipe As ADODB.Recordset

    Dim sSQL As String
    Dim oRSProcess As ADODB.Recordset
    Dim sEmail, sEmailTxt, sMessage As String
    Dim sEmailDn, sEmailtxtDn, sMessageDn As String
    Dim oManf As DawnManf.UManf
    Dim oRsManf As ADODB.Recordset
    Dim dTotal As Double
    Dim bOrderCancelled As Boolean

    'record set for handling items in sequence, so that orders are updated together
instead of one item at a time
    Dim oRSUp As ADODB.Recordset
    Dim oRSDn As ADODB.Recordset
    Dim ArrItems() As Long
    Dim lOldID As Long
    Dim lUbound As Long

    'create DB objects
    Set oDBOrd = CtxCreateObject("DawnOrder.DbOrdHdr")
'     Set oDBhist = CtxCreateObject("DawnOrder.DbOrdHist")
    Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'     Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")
    Set oRSorder = oDBOrd.GetOrder(alOrderID)
    Set oManf = CtxCreateObject("DawnManf.UManf")
    lOrderStatus = oRSorder("ord_stus_cd")

    'check for order status
    If lOrderStatus = DawnOrder.DawnOrderStatus.osCancelled Or _
        lOrderStatus = DawnOrder.DawnOrderStatus.osRejected Or _
        lOrderStatus = DawnOrder.DawnOrderStatus.osOnhold Or _
        lOrderStatus = DawnOrder.DawnOrderStatus.osShipped Then
        RaiseResError DawnOrder.DawnOrderErrors.ecItemStatusChangeNotAllowed, _
                                            TypeName(Me), "StopOrderItem"
    End If

    'check for pipeline
    lManf = oRSorder!mfr_id
    bPipeline = False
    bPipelineDn = False

    'set up pipeline record sets
    Set oRSUp = GetClientRS()
    oRSUp.Fields.Append "ord_id", adInteger
    oRSUp.Fields.Append "item_num", adInteger
    oRSUp.Open
    Set oRSDn = GetClientRS()
    oRSDn.Fields.Append "ord_id", adInteger
    oRSDn.Fields.Append "item_num", adInteger
    oRSDn.Open

    'stop order items in the array - loop thru the array
    For lCounter = 0 To UBound(arrItemNumber)
```

```
            Set oRsItem = oDBItem.GetOrderItem(alOrderID, arrItemNumber(lCounter))

            'update pipeline order item to pipeline cancelled, if this was called
directly i.e. alProcess=0
            If alProcess = 0 Then
                If (Not IsNull(oRsItem!pl_ord_id)) And (Not
IsNull(oRsItem!pl_item_num)) Then
                        If oRsItem!pl_ord_id > 0 And oRsItem!pl_item_num > 0 Then
                                bPipeline = True
                                lOrderID = oRsItem!pl_ord_id
                                vItem(0) = oRsItem!pl_item_num
                                Set oRsPipe = oDBOrd.GetOrder(lOrderID)
                                dOrderMaintDate = oRsPipe!last_maint_dtm
                                Set oRsManf =
oManf.GetManfByID(oRSorder!ord_src_mfr_id)
                                sEmail = IIf(IsNull(oRsManf!ord_email_addr),
oRsManf!admin_email_addr, oRsManf!ord_email_addr)
                                sEmailTxt = sEmailTxt & vbCrLf &
GetPipelineEmailInfo(alOrderID, arrItemNumber(lCounter), True)
                                sEmailTxt = sEmailTxt & vbCrLf &
GetItemsForEmail(alOrderID, dTotal, Array(arrItemNumber(lCounter))) & vbCrLf
                                sMessage = "System Update :  These items which
were in pipeline was cancelled by the source manufacturer." & _
                                                        " They are now marked as
Pipeline cancelled."
                                oRSUp.AddNew
                                oRSUp!ord_id = lOrderID
                                oRSUp!item_num = oRsItem!pl_item_num
                                oRSUp.Update
                        End If
                End If
            End If

            'stop item
            lRow = oDBItem.StopOrderItem(alOrderID, arrItemNumber(lCounter),
alOrderItemStopCode)
            If lRow <> 1 Then
                RaiseResError
DawnOrder.DawnOrderErrors.ecUpdateOrderItemStatusFailed, _
                                                        TypeName(Me),
"StopOrderItem"
            End If

            'add history
            AddOrderItemHistory alOrderID, arrItemNumber(lCounter), "System Update
Item Cancelled", asEmail, asIPAddress, alOrderItemStopCode

            'if this item was pipelined to another order, go down the chain and stop
the item for all pipelined orders down the chain
            'find the order/item to which this item has been pipelined to
            sSQL = " SELECT oi.ord_id , oi.item_num, o.mfr_id, o.last_maint_dtm,
o.ord_stus_cd, o.ord_stop_stus_cd, "
            sSQL = sSQL & " oi.item_stus_cd, oi.item_stop_stus_cd "
            sSQL = sSQL & " FROM ord_hdr o, ord_item oi "
            sSQL = sSQL & " WHERE o.ord_id = oi.ord_id "
            'order can be on hold or active, item should be active
            sSQL = sSQL & " AND (o.ord_stop_stus_cd IS NULL OR o.ord_stop_stus_cd =
'6' ) AND oi.item_stop_stus_cd IS NULL "
            sSQL = sSQL & " AND oi.pl_ord_id = " & CStr(alOrderID) & " AND
oi.pl_item_num = " & CStr(arrItemNumber(lCounter))
            Set oRSProcess = GetSQLRecordset(sSQL)
            If oRSProcess.RecordCount > 0 Then
```

```
                bPipelineDn = True
                Set oRsManf = oManf.GetManfByID(oRSProcess!mfr_id)
                sEmailDn = IIf(IsNull(oRsManf!ord_email_addr),
oRsManf!admin_email_addr, oRsManf!ord_email_addr)
                sEmailtxtDn = sEmailtxtDn & vbCrLf & GetPipelineEmailInfo(alOrderID,
arrItemNumber(lCounter), False)
                sEmailtxtDn = sEmailtxtDn & vbCrLf & GetItemsForEmail(alOrderID,
dTotal, Array(arrItemNumber(lCounter))) & vbCrLf
                sMessageDn = "System Update :  These items were cancelled."
                oRSDn.AddNew
                oRSDn!ord_id = oRSProcess!ord_id
                oRSDn!item_num = oRSProcess!item_num
                oRSDn.Update
            End If

    Next

    'rule - after order item is updated
    'check all the order items. if all items are cancelled, then the order must be
cancelled
    bOrderCancelled = CancelOrder(alOrderID, oDBOrd, oDBItem)

    'add history and notes
    lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", sEmail,
alEmailInd, asIPAddress, lOrderStatus)
    UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes

    'uday 8/15/00 - update all items in an order in one shot
    'update pipeline orders (OrsUp)
    If oRSUp.RecordCount > 0 Then
        oRSUp.Sort = "ord_id, item_num"
        oRSUp.MoveFirst
        lOldID = oRSUp!ord_id
        lUbound = -1
        Do While Not oRSUp.EOF
                If lOldID <> oRSUp!ord_id And lUbound >= 0 Then
                    lUbound = -1
                    Set oRSProcess = oDBOrd.GetOrder(lOldID)
                    IntUpdateOrderItemStatus lOrderID, ArrItems, Array(), Array(),
Array(), osItemPipelineCancelled, sMessage, _
                        oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "",
-1
                    lOldID = oRSUp!ord_id
                End If
                lUbound = lUbound + 1
                ReDim Preserve ArrItems(lUbound)
                ArrItems(lUbound) = oRSUp!item_num
                oRSUp.MoveNext
        Loop
        If lUbound >= 0 Then
            Set oRSProcess = oDBOrd.GetOrder(lOldID)
                    IntUpdateOrderItemStatus lOrderID, ArrItems, Array(), Array(),
Array(), osItemPipelineCancelled, sMessage, _
                        oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "",
-1
        End If

    End If

    'uday 8/15/00 - update all items in an order in one shot
    'update pipeline orders (Orsdown)
    If oRSDn.RecordCount > 0 Then
```

```
        oRSDn.Sort = "ord_id, item_num"
        oRSDn.MoveFirst
        lOldID = oRSDn!ord_id
        lUbound = -1
        ReDim arrayitems(0)
        Do While Not oRSDn.EOF
                If lOldID <> oRSDn!ord_id And lUbound >= 0 Then
                    lUbound = -1
                    Set oRSProcess = oDBOrd.GetOrder(lOldID)
                    Call StopOrderItem(lOldID, ArrItems, 5, sMessageDn,
oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "", -1, 1)
                    lOldID = oRSDn!ord_id
                End If
                lUbound = lUbound + 1
                ReDim Preserve ArrItems(lUbound)
                ArrItems(lUbound) = oRSDn!item_num
                oRSDn.MoveNext
        Loop
        If lUbound >= 0 Then
            Set oRSProcess = oDBOrd.GetOrder(lOldID)
            Call StopOrderItem(lOldID, ArrItems, 5, sMessageDn,
oRSProcess!last_maint_dtm, "", asIPAddress, "", 1, "", "", -1, 1)
        End If
    End If


    'send email if pipeline stop
    If bPipeline Then
            asEmailNotes = sEmailTxt & vbCrLf & asEmailNotes & vbCrLf & sMessage
            Call CreateEmail(alOrderID, sEmail, emUpdateOrderItemStatus,
asEmailNotes, osItemCancelled, , , bPipeline)
    ElseIf bPipelineDn Then
            asEmailNotes = sEmailtxtDn & vbCrLf & asEmailNotes & vbCrLf & sMessageDn
            Call CreateEmail(alOrderID, sEmailDn, emUpdateOrderItemStatus,
asEmailNotes, osItemCancelled, , , bPipeline)
    Else
        'send email for regular orders if requested
        If (Not bOrderCancelled) And (alEmailInd = 1) And (Len(Trim$(asEmail)) > 0)
Then
                        Call CreateEmail(alOrderID, asEmail,
emUpdateOrderItemStatus, asEmailNotes, _
                                        osItemCancelled, arrItemNumber, , bPipeline)
        End If
    End If

    'complete
    CtxSetComplete
    Set oDBOrd = Nothing
'     Set oDBhist = Nothing
    Set oDBItem = Nothing
'     Set oDBItemHist = Nothing
    Set oRSorder = Nothing
    Set oRSItems = Nothing
    Set oRsPipe = Nothing
    Set oRSProcess = Nothing
    Set oRSDn = Nothing
    Set oRSUp = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrd = Nothing
```

```
'     Set oDBhist = Nothing
      Set oDBItem = Nothing
'     Set oDBItemHist = Nothing
      Set oRSorder = Nothing
      Set oRSItems = Nothing
      Set oRsPipe = Nothing
      Set oRSProcess = Nothing
      Set oRSDn = Nothing
      Set oRSUp = Nothing

      RaiseError TypeName(Me), "StopOrderItem"
      Exit Sub

End Sub

'================================================
'this function releases an order item  - cancel
'input - order id, item array, last maint date, email, ip address, email notes,
email indicator
' nothing
'uday 5/30/00 if order is cancelled, allow item status change and then release the
order also
'uday 6/20/00 if order was pipelined, release is not allowed
'================================================
Public Sub ReleaseOrderItem( _
      ByVal alOrderID As Long, ByVal arrItemNumber As Variant, ByVal asInternalNotes
As String, _
      ByVal adOrderMaintDate As Date, ByVal asEmail As String, ByVal asIPAddress As
String, _
      ByVal asEmailNotes As String, ByVal alEmailInd As Long, ByVal asPipelineNotes As
String, _
      ByVal asShippingInstructions As String, ByVal aluserID As Long)

      On Error GoTo ErrHandler

      Dim oDBOrd As DawnOrder.DBOrdHdr
'     Dim oDBhist As DawnOrder.DBOrdHist
      Dim oDBItem As DawnOrder.DBOrdItem
'     Dim oDBItemHist As DawnOrder.DBOrdItemHist
      Dim oRS As ADODB.Recordset
      Dim lRow As Long
      Dim lOrderStatus As Long
      Dim lCounter As Long
      Dim lHistoryID As Long

      'create DB objects
      Set oDBOrd = CtxCreateObject("DawnOrder.DbOrdHdr")
'     Set oDBhist = CtxCreateObject("DawnOrder.DbOrdHist")
      Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'     Set oDBItemHist = CtxCreateObject("DawnOrder.DBOrdItemHist")
      Set oRS = oDBOrd.GetOrder(alOrderID)
      lOrderStatus = oRS("ord_stus_cd")

      If Not IsNull(oRS!ord_src_mfr_id) Then
          RaiseResError ecPipelineOrderReleaseNotAllowed, TypeName(Me),
"ReleaseOrderItem"
      End If

      'check for order status
      If lOrderStatus = DawnOrder.DawnOrderStatus.osRejected Or _
          lOrderStatus = DawnOrder.DawnOrderStatus.osOnhold Or _
          lOrderStatus = DawnOrder.DawnOrderStatus.osShipped Then
          RaiseResError DawnOrder.DawnOrderErrors.ecItemStatusChangeNotAllowed, _
```

```
                                        BOrder.cls
                                                TypeName(Me), "ReleaseOrderItem"
    End If

    'release order items in the array - loop thru the array
    For lCounter = 0 To UBound(arrItemNumber)
            'stop item
            lRow = oDBItem.ReleaseOrderItem(alOrderID, arrItemNumber(lCounter))
            If lRow <> 1 Then
                RaiseResError
DawnOrder.DawnOrderErrors.ecUpdateOrderItemStatusFailed, _
                                                        TypeName(Me),
"ReleaseOrderItem"
            End If

            Set oRS = GetSQLRecordset("SELECT item_stus_cd FROM ord_item WHERE
ord_id = " & _
                        alOrderID & " AND item_num = " & arrItemNumber(lCounter))

            'add history
            AddOrderItemHistory alOrderID, arrItemNumber(lCounter), "System Update
Item Released", _
                                                asEmail, asIPAddress, oRS!item_stus_cd
    Next

    'uday 5/30/00 - if order status is cancelled, then release the order also
    If lOrderStatus = DawnOrder.DawnOrderStatus.osCancelled Then
        Call ReleaseOrder(alOrderID, asInternalNotes, adOrderMaintDate, asEmail,
asIPAddress, asEmailNotes, alEmailInd, _
                            asPipelineNotes, asShippingInstructions, aluserID)
    Else
        'add history and update
        Set oRS = GetSQLRecordset("SELECT ord_stus_cd FROM ord_hdr WHERE ord_id = "
& alOrderID)
        lHistoryID = AddOrderHistory(alOrderID, alEmailInd, aluserID, "", asEmail,
0, asIPAddress, oRS!ord_stus_cd)
        UpdateOrderNotes alOrderID, lHistoryID, asInternalNotes, asPipelineNotes,
asEmailNotes
        If alEmailInd = 1 Then
            CreateEmail alOrderID, asEmail, emUpdateOrderItemStatus, asEmailNotes, ,
arrItemNumber
        End If
    End If


    'complete
    CtxSetComplete
    Set oDBOrd = Nothing
'     Set oDBhist = Nothing
    Set oDBItem = Nothing
'     Set oDBItemHist = Nothing
    Set oRS = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrd = Nothing
'     Set oDBhist = Nothing
    Set oDBItem = Nothing
'     Set oDBItemHist = Nothing
    Set oRS = Nothing
    RaiseError TypeName(Me), "ReleaseOrderItem"
End Sub
```

```
''=========================================================================
''This is an obsolete function.  It was left for compatibility issues.
''=========================================================================
'Public Sub CheckAddress(ByVal aluserID As Long, ByVal alOrgID As Long, ByVal
alManfID As Long, _
'    ByVal asAddr1 As String, ByVal asAddr2 As String, _
'    ByVal asCity As String, ByVal asState As String, ByVal asZip As String, _
'    ByVal asCountry As String, ByVal Phone As String, ByVal Ext As String, _
'    ByVal AltPhone As String, ByVal AltExt As String)
'
'    Dim lEntityID As Long
'    Dim sEntityTyp_cd As String
'
'End Sub

'================================================
'this function updates internal notes and pipeline notes
'input - columns for notes
'long - the number of rows affected by the SQL
'8/15/00 - this function now adds notes every time to the DB
'================================================
Public Sub UpdateOrderNotes(ByVal alOrderID As Long, ByVal alOrderHistoryID As Long,
ByVal asInternalNotes As String, _
                                        ByVal asPipelineNotes As String, ByVal
asEmailBody As String, _
                                        Optional ByVal alSpecialInstructions As
String = "")

    On Error GoTo ErrHandler

    Dim oDB As DawnOrder.DBOrdNotes
    Dim oSeq As DawnSeq.BSequence
    Dim lRow As Long
    Dim lNotesID As Long

    Set oSeq = CtxCreateObject("DawnSeq.BSequence")
    Set oDB = CtxCreateObject("DawnOrder.DBOrdNotes")

    'add internal notes
    If Len(Trim$(asInternalNotes)) > 0 Then
        lNotesID = oSeq.GetNextInSequence("ord_notes")
        lRow = oDB.AddOrderNotes(lNotesID, alOrderID, alOrderHistoryID,
asInternalNotes, osInternal)
        If lRow <> 1 Then
            RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderFailed,
TypeName(Me), "UpdateOrderNotes"
        End If
    End If

    'add pipeline notes
    If Len(Trim$(asPipelineNotes)) > 0 Then
        lNotesID = oSeq.GetNextInSequence("ord_notes")
        lRow = oDB.AddOrderNotes(lNotesID, alOrderID, alOrderHistoryID,
asPipelineNotes, osPipeline)
        If lRow <> 1 Then
            RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderFailed,
TypeName(Me), "UpdateOrderNotes"
        End If
    End If

    'add email body
    If Len(Trim$(asEmailBody)) > 0 Then
        lNotesID = oSeq.GetNextInSequence("ord_notes")
```

```
        lRow = oDB.AddOrderNotes(lNotesID, alOrderID, alOrderHistoryID, asEmailBody,
osEmail)
        If lRow <> 1 Then
            RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderFailed,
TypeName(Me), "UpdateOrderNotes"
        End If
    End If

    'add special notes
    If Len(Trim$(alSpecialInstructions)) > 0 Then
        lNotesID = oSeq.GetNextInSequence("ord_notes")
        lRow = oDB.AddOrderNotes(lNotesID, alOrderID, alOrderHistoryID,
alSpecialInstructions, osSpecial)
        If lRow <> 1 Then
            RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderFailed,
TypeName(Me), "UpdateOrderNotes"
        End If
    End If

    CtxSetComplete
    Set oSeq = Nothing
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oSeq = Nothing
    Set oDB = Nothing
    RaiseError TypeName(Me), "UpdateOrderNotes"
    Exit Sub

End Sub

'================================================
'this function updates the order item shipping info and date
'input - Order ID, item number , tracking number, ship date
'returns nothing
'================================================
Public Sub UpdateOrderItemShippingInfo(ByVal alOrderID As Long, ByVal alItemNumber
As Long, _
                                                                    ByVal adShipDate
As Date, ByVal asTrackNumber As String)
    On Error GoTo ErrHandler

    'vars
    Dim oDB As DawnOrder.DBOrdItem
    Dim lRow As Long

    'check date
    If Trim$(asTrackNumber) > "" Then
        If adShipDate <= 0 Then
            RaiseResError DawnOrder.DawnOrderErrors.ecInvalidShipdate, TypeName(Me),
"UpdateOrderItemShippingInfo"
        End If
    End If

    'call DB function
    Set oDB = CtxCreateObject("DawnOrder.DBOrdItem")
    lRow = oDB.UpdateOrderItemShippingInfo(alOrderID, alItemNumber, adShipDate,
asTrackNumber)

    'check error
    If lRow <> 1 Then
```

```
        RaiseResError DawnOrder.DawnOrderErrors.ecUpdateOrderItemFailed,
TypeName(Me), "UpdateOrderItemShippingInfo"
    End If

    'run sql
    CtxSetComplete
    Set oDB = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "UpdateOrderItemShippingInfo"
End Sub


''=============================================================================
''This function is a wrapper of the StopOrderItem function.  The Only difference
''is that this function finds out the last_maint_dtm.
''uday 6/21/00, this is obselete, this function is taken care of thru update
orderitem
''=============================================================================
'Public Sub StopPipelineOrderItem(ByVal alOrderID As Long, ByVal alItemNumber As
Long, _
'    ByVal alOrderItemStopCode As Long, ByVal asEmail As String, ByVal asIPAddress
As String, _
'    ByVal asPipelineNotes As String, ByVal aluserID As Long)
'
'    Err.Raise 1, , "Obsolete function."
'    RaiseError TypeName(Me), "Do not use this function."
'
'    'TODO ErrorHandling and clean up
'    Dim vItem(0) As Long
'    Dim vItems As Variant
'    Dim oDBOrderHeader As DawnOrder.DBOrdHdr
'    Dim oRS As ADODB.Recordset
'    Dim dMaintDate As Date
'
'    If alOrderItemStopCode = osItemCancelled Then alOrderItemStopCode =
osItemPipelineCancelled
'    vItem(0) = alItemNumber
'    vItems = vItem()
'
'    'call db comp function
'    Set oDBOrderHeader = CtxCreateObject("DawnOrder.DBOrdHdr")
'    Set oRS = oDBOrderHeader.GetOrder(alOrderID)
'    dMaintDate = oRS!last_maint_dtm
'
'    StopOrderItem alOrderID, vItems, alOrderItemStopCode, Null, dMaintDate,
asEmail, asIPAddress, Null, 0, asPipelineNotes, Null, aluserID
'
'End Sub

'=============================================================================
'This function creates all e-mails and adds them to the e-mail queue.  It returns
'the e-mail text to be added to the notes.
'=============================================================================
Private Function CreateEmail(ByVal alOrderID As Long, ByVal asToEmail As String, _
            ByVal alType As emEmail, Optional ByVal asEmailNotes As String, _
            Optional alOrderItemStatusCode As Long, Optional arrItemNumber As
Variant, _
```

```
            Optional alOrgID As Long, Optional ByVal abPipe As Boolean = False) As
String

    Dim sBody As String
    Dim oRsManf As ADODB.Recordset
    Dim oRSorder As ADODB.Recordset
    Dim oRSOrg As ADODB.Recordset
    Dim dTotal As Double
    Dim sURL As String
    Dim oManf As DawnManf.UManf
    Dim lManfID As Long
    Dim sSubject As String
    Dim lOrderID As Long
    Dim arrEmail(5) As String
    Dim sFromEmail As String
    Dim oDBOrderHeader As DawnOrder.DBOrdHdr
    Dim sManfName As String
    Dim bSendToManf As Boolean
    Dim sSQL As String
    Dim oRsNotes As ADODB.Recordset
    Dim oDBNotes As DawnOrder.DBOrdNotes
    Dim sShipping As String

    On Error GoTo ErrorHandler

    arrEmail(4) = vbNullString
    arrEmail(5) = vbNullString

    'call db comp function
    Set oDBOrderHeader = CtxCreateObject("DawnOrder.DBOrdHdr")
    Set oRSorder = oDBOrderHeader.GetOrder(alOrderID)
    Set oDBNotes = CtxCreateObject("DawnOrder.DBOrdNotes")
    Set oRsNotes = oDBNotes.GetOrderNotes(alOrderID, Array(1))
    If oRsNotes.RecordCount >= 1 Then
        sShipping = Trim$(oRsNotes!notes)
    End If
    sURL = oRSorder!shop_url
    Set oDBOrderHeader = Nothing
    lManfID = oRSorder!mfr_id
    Set oManf = CtxCreateObject("DawnManf.UManf")
    Set oRsManf = oManf.GetManfByID(lManfID)
    lOrderID = alOrderID

    'get admin Email if to Email is empty ie send Email to Mfr
    If Len(Trim$(asToEmail)) = 0 Then
        If alType = emAddOrder Then
            bSendToManf = True
            If Not IsNull(oRsManf("ord_email_addr")) Then
                asToEmail = oRsManf("ord_email_addr")
            Else
                If Not IsNull(oRsManf("admin_email_addr")) Then asToEmail =
oRsManf("admin_email_addr")
            End If
        Else
            If Not IsNull(oRsManf("admin_email_addr")) Then asToEmail =
oRsManf("admin_email_addr")
        End If
    End If

    'get order Email for mfr
    If Not IsNull(oRsManf("ord_email_addr")) Then
        sFromEmail = oRsManf("ord_email_addr")
    Else
```

```
        sFromEmail = oRsManf("admin_email_addr")
    End If

    Select Case alType
        Case Is = emAddOrder
            If bSendToManf Then 'email to mfr
                sBody = "Date/Time of Order: " & oRSorder!ord_dte & "" & vbCrLf &
vbCrLf
                sBody = sBody & "Order Number: " & oRSorder!ord_num & vbCrLf &
vbCrLf
                sBody = sBody & GetItemsForEmail(lOrderID, dTotal)
                sBody = sBody & "Tax : " & Format(oRSorder!calc_tax, "Currency") &
vbCrLf
                sBody = sBody & "Shipping : " & Format(oRSorder!calc_ship_cost,
"Currency") & vbCrLf & vbCrLf
                dTotal = dTotal + CDbl(oRSorder!calc_tax) +
CDbl(oRSorder!calc_ship_cost)
                sBody = sBody & "Order Total : " & Format(CStr(dTotal), "Currency")
& vbCrLf & vbCrLf
                sBody = sBody & "-------------------------------------------" &
vbCrLf
                sBody = sBody & "Special Instructions: " & vbCrLf
                If Trim(sShipping) = "" Then
                    sBody = sBody & "<None>" & vbCrLf & vbCrLf
                Else
                    sBody = sBody & sShipping & vbCrLf & vbCrLf
                End If
                sBody = sBody & "-------------------------------------------" &
vbCrLf & vbCrLf & "OnlineCustom... Bringing e-Business to your business" & vbCrLf
                sBody = sBody & "===========================================" &
vbCrLf
                sSubject = "OLC new order notification " & oRSorder!ord_num
                'Finds the Org id to Cc
                If alOrgID > 0 Then
                    On Error Resume Next
                    sSQL = "SELECT email_addr FROM org WHERE org_id = " & alOrgID
                    Set oRSOrg = GetSQLRecordset(sSQL)
                    If Err = 0 Then
                        If Not oRSOrg.EOF And (Not IsNull(oRSOrg!email_addr)) Then
                            arrEmail(4) = oRSOrg!email_addr
                        End If
                    End If
                    Err.Clear
                    Set oRSOrg = Nothing
                    On Error GoTo ErrorHandler
                End If
            Else 'email to user
                lOrderID = oRSorder!ord_id

                sURL = oRSorder!shop_url

                'set up body for Email
                sBody = "Thank you for your order! This e-mail confirms that your
order has " & _
                        "been received by " & oRsManf!mfr_nme & " on " &
oRSorder!ord_dte & "." & vbCrLf & vbCrLf
                sBody = sBody & "Your order confirmation number is: " &
oRSorder!ord_num & vbCrLf & vbCrLf
                sBody = sBody & "The items in your order are:" & vbCrLf & vbCrLf

                sBody = sBody & GetItemsForEmail(lOrderID, dTotal)

                sBody = sBody & "Tax : " & Format(oRSorder!calc_tax, "Currency") &
```

```
vbCrLf
                sBody = sBody & "Shipping : " & Format(oRSorder!calc_ship_cost,
"Currency") & vbCrLf & vbCrLf
                dTotal = dTotal + CDbl(oRSorder!calc_tax) +
CDbl(oRSorder!calc_ship_cost)
                sBody = sBody & "Order Total : " & Format(CStr(dTotal), "Currency")
& vbCrLf & vbCrLf
                sBody = sBody & "-------------------------------------------" &
vbCrLf
                sBody = sBody & "Special Instructions: " & vbCrLf
                If Trim(sShipping) = "" Then
                    sBody = sBody & "<None>" & vbCrLf & vbCrLf
                Else
                    sBody = sBody & sShipping & vbCrLf & vbCrLf
                End If
                sBody = sBody & "-------------------------------------------" &
vbCrLf & vbCrLf
                sBody = sBody & "Pending credit verification, your order will be
processed and " & _
                        "shipped shortly. If for any reason we cannot process your
order as submitted" & _
                        ", you will receive an e-mail notification explaining the
item(s) in question." & vbCrLf & vbCrLf
                sBody = sBody & "When your order is shipped we will notify you by
e-mail. If you " & _
                        "have any concerns or questions please feel free to contact
us at:" & vbCrLf & vbCrLf

                sBody = sBody & oRsManf!mfr_nme & vbCrLf
                sBody = sBody & oRsManf!addr_1 & vbCrLf
                If Not IsNull(oRsManf!addr_2) Then
                    If Len(Trim(oRsManf!addr_2)) > 0 Then
                        sBody = sBody & oRsManf!addr_2 & vbCrLf
                    End If
                End If
                sBody = sBody & oRsManf!city & ", " & oRsManf!st_prov & " " &
oRsManf!zip_pstl_cd & vbCrLf
                sBody = sBody & oRsManf!Phone & vbCrLf
                sBody = sBody & oRsManf!fax & vbCrLf
                sBody = sBody & oRsManf!admin_email_addr & vbCrLf & vbCrLf

                If Not abPipe Then
                    sBody = sBody & "You can track the status of your order at our
website, " & CheckURL(sURL) & ", " & _
                        "by logging in to your member account and clicking on CHECK
ORDER STATUS " & _
                        "at the top of the page." & vbCrLf & vbCrLf
                End If
                sBody = sBody & "Thanks for choosing " & oRsManf!mfr_nme & "." &
vbCrLf
                sBody = sBody & "===========================================" &
vbCrLf
                sSubject = oRsManf!mfr_nme & " Order Confirmation: " &
oRSorder!ord_num
            End If
        Case Is = emStopOrder
            sBody = "Your order confirmation number is: " & oRSorder!ord_num &
vbCrLf & vbCrLf
            sBody = sBody & asEmailNotes & vbCrLf & vbCrLf
            sBody = sBody & ". If you have any concerns or questions please feel
free to contact us at:" & vbCrLf & vbCrLf

            'If the order comes from a Kiosk then use kiosk info.
```

```
            If oRSorder!on_behalf_of_mfr_id > 0 Then
                sBody = sBody & GetManfInfo(oRSorder!on_behalf_of_mfr_id, sManfName,
sURL)
            Else
                sBody = sBody & GetManfInfo(oRSorder!mfr_id, sManfName, sURL)
            End If
            sSubject = sManfName & " note about your order " & oRSorder!ord_num
        Case Is = emUpdateOrderStatus
            sBody = "Your order confirmation number is: " & oRSorder!ord_num &
vbCrLf & vbCrLf
            sBody = sBody & asEmailNotes & vbCrLf & vbCrLf

            'If the order comes from a Kiosk then use kiosk info.
            If oRSorder!on_behalf_of_mfr_id > 0 Then
                sBody = sBody & GetManfInfo(oRSorder!on_behalf_of_mfr_id, sManfName,
sURL)
            Else
                sBody = sBody & GetManfInfo(oRSorder!mfr_id, sManfName, sURL)
            End If

            sSubject = sManfName & " note about your order " & oRSorder!ord_num
        Case Is = emUpdateOrderItemStatus
            If alOrderItemStatusCode = osItemShipped Then
                sBody = "This is to inform you that the following items have been
shipped for order: "
            Else
                sBody = "Your order number is: "
            End If
            sBody = sBody & oRSorder!ord_num & vbCrLf & vbCrLf
            If Len(asEmailNotes) > 0 Then sBody = sBody & asEmailNotes & vbCrLf &
vbCrLf

            'add items to email body if not pipeline email
            If Not abPipe Then
                sBody = sBody & GetItemsForEmail(lOrderID, dTotal, arrItemNumber)
            End If

            If alOrderItemStatusCode = osItemShipped Then
                If oRSorder!ord_stus_cd = osShipped Then
                    sBody = sBody & "This shipment completes your order." & vbCrLf &
vbCrLf
                ElseIf oRSorder!ord_stus_cd = osPartiallyShipped Then
                    sBody = sBody & "This is a partial shipment." & vbCrLf & vbCrLf
                End If
            End If

            sBody = sBody & "If you have any concerns or questions please feel free
to contact us at:" & vbCrLf & vbCrLf
            sBody = sBody & GetManfInfo(lManfID, sManfName, sURL, abPipe)
            If alOrderItemStatusCode = osItemShipped Then
                sBody = sBody & vbCrLf & vbCrLf & "Thanks for choosing " & sManfName
& "."
                sSubject = sManfName & " shipment notice for order " &
oRSorder!ord_num
            Else
                sSubject = sManfName & " note about your order " & oRSorder!ord_num
            End If

    End Select


    CreateEmail = sBody
```

```
    arrEmail(0) = sFromEmail
    arrEmail(1) = asToEmail
    arrEmail(2) = sSubject
    arrEmail(3) = sBody

    If m_colEmail Is Nothing Then Set m_colEmail = New Collection
    m_colEmail.Add arrEmail()

    Set oDBOrderHeader = Nothing
    Set oManf = Nothing
    Set oRsManf = Nothing
    Set oRSorder = Nothing
    Set oRSOrg = Nothing
    Set oRsNotes = Nothing
    Set oDBNotes = Nothing

    Exit Function

ErrorHandler:
End Function

'=============================================================================
'  This function adds the items section to an e-mail
'=============================================================================
Private Function GetItemsForEmail(ByVal alOrderID As Long, dTotal As Double,
Optional arrItemNumber As Variant) As String

    Dim oRsItem As ADODB.Recordset
    Dim oUorder As DawnOrder.UOrder
    Dim dPrice As Double
    Dim sParts As String
    Dim bSkip As Boolean

    Set oUorder = CtxCreateObject("DawnOrder.UOrder")
    Set oRsItem = oUorder.GetAllOrders(, , , , , , , , , alOrderID)
    oRsItem.MoveFirst
    Do Until oRsItem.EOF
        If Not IsMissing(arrItemNumber) Then
            If Not CheckPart(oRsItem("item_num"), arrItemNumber) Then bSkip = True
        End If
        If Not bSkip Then
            dPrice = CDbl(oRsItem("ord_qty")) * CDbl(oRsItem("unit_price"))
            dTotal = dTotal + dPrice
            sParts = sParts & "Part: " & oRsItem("part_num") & vbCrLf & _
                        "Description: " & oRsItem("brief_descr") & vbCrLf & _
                        "Qty: " & oRsItem("ord_qty") & vbCrLf & _
                        "Price: $" & CStr(dPrice) & vbCrLf & vbCrLf
        End If
        bSkip = False
        oRsItem.MoveNext
    Loop
    Set oUorder = Nothing
    GetItemsForEmail = sParts

End Function

'=============================================================================
'  This function finds out if an item should be included in the e-mail.
'=============================================================================
Private Function CheckPart(sPart As String, arrItemNumber As Variant) As Boolean

    Dim lCounter As Long
```

```
    For lCounter = 0 To UBound(arrItemNumber)
        If arrItemNumber(lCounter) = sPart Then
            CheckPart = True
        End If
    Next

End Function

''================================================
''this function gets order items
''input - order ID
'' record set with the order items
''================================================
'Public Function GetOrderItems(ByVal alOrderID As Long) As ADODB.Recordset
'    On Error GoTo ErrHandler
'
'    'var
'    Dim oDBItem As DawnOrder.DBOrdItem
'    Dim oProd As DawnProd.UProd
'    Dim oRSItems As ADODB.Recordset
'    Dim oRSPart As ADODB.Recordset
'    Dim oRsCustom As ADODB.Recordset
'
'    'check order ID
'1    If alOrderID <= 0 Then
'2        RaiseResError DawnOrder.DawnOrderErrors.ecOrderIDNotValid, TypeName(Me),
"GetOrderItems"
'3    End If
'
'    'create objs
'4    Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")
'5    Set oProd = CtxCreateObject("DawnProd.UProd")
'
'    'call db comp function
'6    Set oRSItems = oDBItem.GetOrderItems(alOrderID)
'
'    'add items to custom RS
'7    Set oRsCustom = GetClientRS()
'
'    'add custom columns
'8    oRsCustom.Fields.Append "ord_id", adInteger
'9    oRsCustom.Fields.Append "item_num", adInteger
'10    oRsCustom.Fields.Append "part_id", adInteger
'11    oRsCustom.Fields.Append "pl_ord_id", adInteger
'12    oRsCustom.Fields.Append "pl_item_num", adInteger
'13    oRsCustom.Fields.Append "item_stus_cd", adInteger
'14    oRsCustom.Fields.Append "item_stop_stus_cd", adInteger
'15    oRsCustom.Fields.Append "ord_qty", adInteger
'16    oRsCustom.Fields.Append "ship_qty", adInteger
'17    oRsCustom.Fields.Append "ret_qty", adInteger
'18    oRsCustom.Fields.Append "unit_price", adCurrency
'19    oRsCustom.Fields.Append "design_id", adInteger
'20    oRsCustom.Fields.Append "create_dtm", adDate
'21    oRsCustom.Fields.Append "last_maint_dtm", adDate
'22    oRsCustom.Fields.Append "part_num", adVarChar, 50
'23    oRsCustom.Fields.Append "int_part_num", adVarChar, 50
'24    oRsCustom.Fields.Append "part_nme", adVarChar, 50
'25    oRsCustom.Fields.Append "commodity_num", adVarChar, 50
'26    oRsCustom.Fields.Append "brief_descr", adVarChar, 255
'27    oRsCustom.Fields.Append "descr", adVarChar, 255
'28    oRsCustom.Fields.Append "sugg_list_price", adCurrency
'29    oRsCustom.Fields.Append "img_url", adVarChar, 255
'30    oRsCustom.Fields.Append "ship_dte", adDate
```

```
'31     oRsCustom.Fields.Append "ship_track_num", adVarChar, 30
'32     oRsCustom.Fields.Append "rev_num", adInteger
'33     oRsCustom.Fields.Append "mfr_nme", adVarChar, 50
'34     oRsCustom.Fields.Append "src_mfr_id", adInteger
'
'     'open custom RS
'35     oRsCustom.Open
'
'36     If Not oRSItems.EOF Then
'
'37         oRSItems.MoveFirst
'38         Do Until oRSItems.EOF
'39                 oRsCustom.AddNew
'
'                  'add order item data
'40                 oRsCustom("ord_id") = oRSItems("ord_id")
'41                 oRsCustom("item_num") = oRSItems("item_num")
'42                 oRsCustom("part_id") = oRSItems("part_id")
'43                 If Not IsNull(oRSItems("src_mfr_id")) Then
'44                     oRsCustom("src_mfr_id") = oRSItems("src_mfr_id")
'45                 End If
'46                 If Not IsNull(oRSItems("pl_ord_id")) Then
'47                     oRsCustom("pl_ord_id") = oRSItems("pl_ord_id")
'48                 End If
'49                 If Not IsNull(oRSItems("pl_item_num")) Then
'50                     oRsCustom("pl_item_num") = oRSItems("pl_item_num")
'51                 End If
'52                 If Not IsNull(oRSItems("src_mfr_id")) Then
'53                     If oRSItems("src_mfr_id") = 0 Then
'54                         oRsCustom("mfr_nme") = "<internal manufacturing>"
'55                     Else
'56                         oRsCustom("mfr_nme") = oRSItems("mfr_nme")
'57                     End If
'58                 End If '
'59                 oRsCustom("item_stus_cd") = oRSItems("item_stus_cd")
'60                 oRsCustom("ord_qty") = oRSItems("ord_qty")
'61                 oRsCustom("ship_qty") = oRSItems("ship_qty")
'62                 oRsCustom("ret_qty") = oRSItems("ret_qty")
'63                 oRsCustom("unit_price") = oRSItems("unit_price")
'64                 If Not IsNull(oRSItems("design_id")) Then
'65                     oRsCustom("design_id") = oRSItems("design_id")
'66                 End If
'67                 oRsCustom("create_dtm") = oRSItems("create_dtm")
'68                 oRsCustom("last_maint_dtm") = oRSItems("last_maint_dtm")
'
'69                 If Not IsNull(oRSItems("ship_track_num")) Then
'70                     oRsCustom("ship_track_num") = oRSItems("ship_track_num")
'71                 End If
'72                 If Not IsNull(oRSItems("ship_dte")) Then
'73                     oRsCustom("ship_dte") = oRSItems("ship_dte")
'74                 End If
'75                 If Not IsNull(oRSItems("rev_num")) Then
'76                     oRsCustom("rev_num") = oRSItems("rev_num")
'77                 End If
'78
'79                 'get part data
'80                 Set oRSPart = oProd.GetPart(oRSItems("part_id"))
'81
'82                 'set part data
'83                 If Not oRSPart.EOF Then
'84                     oRsCustom("part_num") = oRSPart("part_num")
'85                     oRsCustom("int_part_num") = oRSPart("int_part_num")
'86                     oRsCustom("part_nme") = oRSPart("part_nme")
```

```
'87                     oRsCustom("commodity_num") = oRSPart("commodity_num")
'88                     oRsCustom("brief_descr") = oRSPart("brief_descr")
'89                     oRsCustom("descr") = oRSPart("descr")
'90                     If Not IsNull(oRSPart("sugg_list_price")) Then
'91                         oRsCustom("sugg_list_price") = oRSPart("sugg_list_price")
'92                     End If
'93                     If Not IsNull(oRSPart("img_url")) Then
'94                         oRsCustom("img_url") = oRSPart("img_url")
'95                     End If
'96                 End If
'
'                 'move to next order item
'97                 oRSItems.MoveNext
'98         Loop
'99     End If
'
'     'exit
'100     Set GetOrderItems = oRsCustom
'101     CtxSetComplete
'     Set oDBItem = Nothing
'     Set oProd = Nothing
'     Set oRSItems = Nothing
'     Set oRSPart = Nothing
'     Set oRsCustom = Nothing
'     Exit Function
'
'     'error
'ErrHandler:
'     CtxSetAbort
'     Set oDBItem = Nothing
'     Set oProd = Nothing
'     Set oRSItems = Nothing
'     Set oRSPart = Nothing
'     Set oRsCustom = Nothing
'     RaiseError TypeName(Me), "GetOrderItems: " & Erl
'End Function

'=============================================================================
'  This function adds the footer with the manf info to an e-mail.
'=============================================================================
Private Function GetManfInfo(lManfID As Long, Optional sManfName As String, _
                                        Optional asURL As String, Optional abPipe As
Boolean = False) As String

    Dim oManf As DawnManf.UManf
    Dim oRSManf As ADODB.Recordset
    Dim oRSManfUrl As ADODB.Recordset
    Dim sURL As String
    Dim sBody As String

    Set oManf = CtxCreateObject("DawnManf.UManf")
    Set oRsManf = oManf.GetManfByID(lManfID)



    sManfName = oRsManf!mfr_nme
    sBody = oRsManf!mfr_nme & vbCrLf
    sBody = sBody & oRsManf!addr_1 & vbCrLf
    If Not IsNull(oRsManf!addr_2) Then
        If Len(Trim$(oRsManf!addr_2)) > 0 Then
            sBody = sBody & oRsManf!addr_2 & vbCrLf
        End If
    End If
```

```
    sBody = sBody & oRsManf!city & ", " & oRsManf!st_prov & " " &
oRsManf!zip_pstl_cd & vbCrLf
    sBody = sBody & "Phone: " & oRsManf!Phone & vbCrLf
    sBody = sBody & "Fax: " & oRsManf!fax & vbCrLf
    sBody = sBody & oRsManf!admin_email_addr & vbCrLf & vbCrLf

    If Not abPipe Then
        sBody = sBody & "You can track the status of your order at our website, " &
CheckURL(asURL) & ", " & _
            "by logging in to your member account and clicking on CHECK ORDER STATUS
" & _
            "at the top of the page."
    End If

    GetManfInfo = sBody

    Set oManf = Nothing
    Set oRsManf = Nothing
    Set oRSManfUrl = Nothing

End Function

'Left Public for compatibility issues.  Should be private.
Public Sub SendEmails()

    Dim v As Variant
    Dim oMail As DawnMail.Umail
    Dim i As Integer

    Set oMail = CtxCreateObject("DawnMail.Umail")

    If Not m_colEmail Is Nothing Then
        If m_colEmail.Count > 0 Then

            For Each v In m_colEmail
                Call oMail.SendMessage(v(0), v(1), v(2), v(3), v(4), v(5)) '
(sFromEmail, asToEmail, asSubject, sBody)
            Next

            For i = 1 To m_colEmail.Count
                m_colEmail.Remove (1)
            Next

        End If
    End If

    Set oMail = Nothing

    Exit Sub

End Sub

'=========================================================================
'  This function makes sure that an URL begins with http://
'=========================================================================
Private Function CheckURL(sURL As String) As String

    If Left$(sURL, 7) = "http://" Then
        CheckURL = sURL
    Else
        CheckURL = "http://" & sURL
    End If
```

```
End Function

'=========================================================================
'this function adds src mfr to items who have only 1 source mfr
'this function is called by other functions within this level only , so no set
complete or abort is done here
'args - order ID
'no returns
'=========================================================================
Private Sub SetSourceMfr(ByVal alManfID As Long, ByVal alOrderID As Long)
On Error GoTo ErrHandler

    Dim oRSItems As ADODB.Recordset
    Dim oRsSrc As ADODB.Recordset
    Dim oDB As DawnOrder.DBOrdItem
    Dim oProd As DawnProd.UProd
    Dim lItemNum As Long
    Dim lPart As Long
    Dim lSrcMfr As Long
    Dim lRow As Long

    Set oProd = CtxCreateObject("DawnProd.UProd")
    Set oDB = CtxCreateObject("DawnOrder.DBOrdItem")
    Set oRSItems = oDB.GetOrderItems(alOrderID)

    If Not oRSItems.EOF Then
        oRSItems.MoveFirst
        Do While Not oRSItems.EOF
            lItemNum = oRSItems!item_num
            lPart = oRSItems!part_id
            Set oRsSrc = oProd.GetSources(alManfID, -1, -1, lPart)

            'set src only if part has only 1 src or if the dflt src ind = 1
                If oRsSrc.RecordCount = 1 Then
                            lSrcMfr = oRsSrc!src_mfr_id
                            lRow = oDB.UpdateOrderItemSource(alOrderID, lItemNum,
lSrcMfr)
                            If lRow <> 1 Then
                                RaiseResError DawnOrder.ecUpdateOrderItemFailed,
TypeName(Me), "SetSourceMfr"
                            End If
                Else
                            If Not oRsSrc.EOF Then
                                Do While Not oRsSrc.EOF
                                    If oRsSrc!dflt_src_ind = "1" Then
                                            lSrcMfr = oRsSrc!src_mfr_id
                                            lRow =
oDB.UpdateOrderItemSource(alOrderID, lItemNum, lSrcMfr)
                                            If lRow <> 1 Then
                                                RaiseResError
DawnOrder.ecUpdateOrderItemFailed, TypeName(Me), "SetSourceMfr"
                                            End If
                                    End If
                                    oRsSrc.MoveNext
                                Loop
                            End If
                End If
            oRSItems.MoveNext
        Loop
    End If

    Set oDB = Nothing
    Set oRSItems = Nothing
```

```
    Set oRsSrc = Nothing
    Set oProd = Nothing
    Exit Sub

ErrHandler:
    RaiseError TypeName(Me), "SetSourceMfr"
    Set oDB = Nothing
    Set oRSItems = Nothing
    Set oRsSrc = Nothing
    Set oProd = Nothing
    Exit Sub

End Sub

'====================================================================
'this function gets the pipeline que and adds all the items in the que into pipeline
orders
'args - pipeline que ID
'no return
'====================================================================
Public Sub Pipeline(ByVal alQueID As Long, ByVal aluserID As Long)
On Error GoTo ErrHandler

    Dim oP As Object
    Dim oManf As DawnManf.UManf
    Dim oRsManf As ADODB.Recordset
    Dim oRsQue As ADODB.Recordset
    Dim oContext As ObjectContext
    Dim oRate As DawnRate.URate ' to calculate shipping and taxes
    Dim sDropShipInd As String
    Dim sShipName, sShipAddr1, sShipAddr2, sShipCity, sShipState, sShipZip,
sShipCountry As String
    Dim sShipPhone, sShipExt, sShipDescr, sShipBriefDescr, sShiptoCompanyName As
String
    Dim sBillName, sBillAddr1, sBillAddr2, sBillCity, sBillState, sBillZip,
sBillCountry As String
    Dim sBillPhone, sBillExt, sBillDescr, sBillBriefDescr, sBilltoCompanyName As
String
    Dim lOldOrderID As Long
    Dim bFirstRow As Boolean
    Dim lOrdSrcMfrID, lManfID As Long
    Dim sMfrEmail As String
    Dim sPO, sRef, sURL As String
    Dim sCCName, sCCNum, sCCDate As String
    Dim oRsPipeItems As ADODB.Recordset
    Dim lPipeOrdID, lPipeItemNum, lPartID, lQty, lDesignID As Long
    Dim cPrice As Currency
    Dim oRSorder As ADODB.Recordset
    Dim oDB As DawnOrder.DBOrdHdr
    Dim oDBItem As DawnOrder.DBOrdItem
    Dim oRsNotes As ADODB.Recordset
    Dim lOrderID() As Long
    Dim dOrderLastMaintdate() As Date
    Dim lAddGroupMessage(), lAddDropShipMessage(), lAddDirectShipmessage() As Long
    Dim lCounter, lCtr As Long
    Dim oRSNewOrder As ADODB.Recordset
    Dim sNotes, sGroupMessage, sDropShipMessage As String
    Dim sMfrGroupMessage, sDirectShipMessage, sItemMessage() As String
    Dim cTax, cShip, cTotal As Currency
    Dim lShipID, lStateID  As Long
    Dim oRsTax As ADODB.Recordset
    Dim dPlDate As Date
    Dim sOldDropShip As String
```

```
Dim lItemArray() As Long
Dim lUbound As Long
Dim sInternalNotes, sEmailTxt As String
Dim bFirstDropShip As Boolean

'disable commit
Set oContext = GetObjectContext
If Not oContext Is Nothing Then
    oContext.DisableCommit
End If

'set up counters
lCounter = 0
lUbound = -1

'create DB level
Set oDB = CtxCreateObject("DawnOrder.DBOrdHdr")
Set oDBItem = CtxCreateObject("DawnOrder.DBOrdItem")

Set oP = CtxCreateObject("DawnPipeQueue.UPipeQueue")
Set oRsQue = oP.GetAllPLQueueInfo(alQueID)
Set oRsNotes = oP.GetNotes(alQueID)

'create rate for tax and shipping
Set oRate = CtxCreateObject("DawnRate.URate")

'check to make sure there is atleast one items to be pipelined
If (oRsQue Is Nothing) Or (oRsQue.RecordCount <= 0) Then
    RaiseResError ecNoItemsInPipe, TypeName(Me), "Pipeline"
Else
    oRsQue.MoveFirst
    dPlDate = oRsQue!last_maint_dtm
End If

'get mfr notes
If Not oRsNotes.EOF Then
    oRsNotes.MoveFirst
    Do While Not oRsNotes.EOF
        If oRsNotes!pl_note_typ_cd = "1" Then
            sMfrGroupMessage = oRsNotes!notes
        Else
            sDirectShipMessage = oRsNotes!notes
        End If
        oRsNotes.MoveNext
    Loop
End If

'create manf for manf info
Set oManf = CtxCreateObject("DawnManf.UManf")

'initialize first row
bFirstRow = True
bFirstDropShip = True
sGroupMessage = "GROUP MESSAGE : "
sDropShipMessage = "DROP SHIP : "

'set up items record set for pipling items to the new pipeline orders
Set oRsPipeItems = GetClientRS()
oRsPipeItems.Fields.Append "part_id", adInteger
oRsPipeItems.Fields.Append "pipe_ord_id", adInteger
oRsPipeItems.Fields.Append "pipe_item_num", adInteger
oRsPipeItems.Fields.Append "ord_qty", adInteger
oRsPipeItems.Fields.Append "unit_price", adCurrency
```

```
    oRsPipeItems.Fields.Append "design_id", adInteger
    oRsPipeItems.Open

    'remove any rows from pipe items, so that it is a clean empty recordset
    Do While oRsPipeItems.RecordCount > 0
        oRsPipeItems.MoveFirst
        oRsPipeItems.Delete adAffectCurrent
    Loop

    'sort the ors so that all drop ship items are listed in the end and get drop
ship indicator
    oRsQue.Sort = "drop_ship_ind, ord_id, item_num"
    oRsQue.MoveFirst
    lOrdSrcMfrID = oRsQue!mfr_id
    Set oRsManf = oManf.GetManfByID(lOrdSrcMfrID)

    'set up the orders for pipeline, going thru each of the items in the pipe que
and getting relavant data
    Do While Not oRsQue.EOF

            sOldDropShip = sDropShipInd
            sDropShipInd = IIf(IsNull(oRsQue!drop_ship_ind), "0",
CStr(oRsQue!drop_ship_ind))
                    If sDropShipInd = "0" Then
                                    If bFirstRow Then
                                        'add earlier order that may have been
processed in the loop
                                        'the sort will make sure that dropship = 0
will appear first but, just in case that does
                                        'not happen, this will take care of the
items
                                        If (Not oRsPipeItems Is Nothing) And
(oRsPipeItems.RecordCount > 0) Then
                                                'set up tax and shipping
                                                'calculate the total for all items
in the order
                                                oRsPipeItems.MoveFirst
                                                Do While Not oRsPipeItems.EOF
                                                    cTotal = cTotal +
oRsPipeItems!unit_price
                                                    oRsPipeItems.MoveNext
                                                Loop
                                                Set oRsTax =
oRate.CalcTaxAndShipRatesByStProvAbbrev(lManfID, sShipState, lShipID, cTotal)
                                                cTax = oRsTax!tax_amt
                                                cShip = oRsTax!ship_amt
                                                oRsPipeItems.MoveFirst
                                                sURL = "No URL"
                                                Set oRSNewOrder =
IntAddOrder(aluserID, lOrdSrcMfrID, -1, lManfID, -1, sPO, sRef, _
                                                sShipName, sShipAddr1, sShipAddr2,
sShipCity, sShipState, sShipZip, sShipCountry, _
                                                sBillName, sBillAddr1, sBillAddr2,
sBillCity, sBillState, sBillZip, sBillCountry, _
                                                sCCNum, sCCDate, sOldDropShip, 0,
sShipBriefDescr, cTax, cShip, "", sMfrEmail, "", "", "", _
                                                sShipPhone, "", sBillPhone,
sBillExt, "", "", sBillBriefDescr, sBillDescr, sShipDescr, _
                                                sShiptoCompanyName,
sBilltoCompanyName, 0, sCCName, sURL, oRsPipeItems)
                                                ReDim Preserve lOrderID(lCounter -
1)
                                                ReDim Preserve
```

```
dOrderLastMaintdate(lCounter - 1)
                                        lOrderID(lCounter - 1) =
oRSNewOrder!ord_id
                                        dOrderLastMaintdate(lCounter - 1) =
oRSNewOrder!last_maint_dtm
                                        sGroupMessage = sGroupMessage &
CStr(oRSNewOrder!ord_num) & " , "
                                        If sOldDropShip = "1" Then
sDropShipMessage = sDropShipMessage & CStr(oRSNewOrder!ord_num) & " , "
                                        Set oRSNewOrder = Nothing
                                    End If
                                    'collect order data for the next set of
order - this should be for drop ship items.
                                    'here each order in the pipe que becomes one
seperate order for the pipe mfr
                                    'since the shipp address are unique only for
the order
                                        'remove any rows from pipe items, so
that it is a clean empty recordset
                                        Do While oRsPipeItems.RecordCount >
0
                                            oRsPipeItems.MoveFirst
                                            oRsPipeItems.Delete
adAffectCurrent
                                        Loop
                                    lManfID = oRsQue!src_mfr_id
                                    sPO = IIf(IsNull(oRsQue!po_num), "",
oRsQue!po_num)
                                    sRef = IIf(IsNull(oRsQue!ref_num), "",
oRsQue!ref_num)
                                    lShipID = IIf(IsNull(oRsQue!ship_typ_id), 0,
oRsQue!ship_typ_id)
                                    sURL = "" ' IIf(IsNull(oRsQue!url), "",
oRsQue!url)
                                    sMfrEmail =
IIf(IsNull(oRsManf!ord_email_addr), oRsManf!admin_email_addr,
oRsManf!ord_email_addr)

                                    'make sure notes need to be added
                                    ReDim Preserve lAddGroupMessage(lCounter)
                                    ReDim Preserve lAddDropShipMessage(lCounter)
                                    ReDim Preserve
lAddDirectShipmessage(lCounter)
                                    If oRsQue!incl_all_note_ind = "1" Then
                                        lAddGroupMessage(lCounter) = 1
                                    Else
                                        lAddGroupMessage(lCounter) = 0
                                    End If
                                    'for direct ship, drop ship message does not
get added
                                    lAddDropShipMessage(lCounter) = 0
                                    If sDropShipInd = "0" Then
                                        lAddDirectShipmessage(lCounter) = 1
                                    Else
                                        lAddDirectShipmessage(lCounter) = 0
                                    End If
                                    ReDim Preserve sItemMessage(lCounter) ' one
message per order
                                    lCounter = lCounter + 1

                                Else
                                    lOldOrderID = oRsQue!ord_id
                                End If
```

```
                    Else
                                        'check if order ID is the same as the earlier
row, this ensures that all items in this order
                                        'goes into one order for pipe mfr for drop ship
                                        If lOldOrderID = oRsQue!ord_id And Not
bFirstDropShip Then
                                            'add just the item because the order will be
the same
                                        Else
                                            'add earlier order
                                            If (Not oRsPipeItems Is Nothing) And
(oRsPipeItems.RecordCount > 0) Then
                                                    'set up tax and shipping
                                                    'calculate the total for all items
in the order
                                                    oRsPipeItems.MoveFirst
                                                    Do While Not oRsPipeItems.EOF
                                                        cTotal = cTotal +
oRsPipeItems!unit_price
                                                        oRsPipeItems.MoveNext
                                                    Loop
                                                    Set oRsTax =
oRate.CalcTaxAndShipRatesByStProvAbbrev(lManfID, sShipState, lShipID, cTotal)
                                                    cTax = oRsTax!tax_amt
                                                    cShip = oRsTax!ship_amt
                                                    oRsPipeItems.MoveFirst
                                                    sURL = "No URL"
                                                    Set oRSNewOrder =
IntAddOrder(aluserID, lOrdSrcMfrID, -1, lManfID, -1, sPO, sRef, _
                                                    sShipName, sShipAddr1, sShipAddr2,
sShipCity, sShipState, sShipZip, sShipCountry, _
                                                    sBillName, sBillAddr1, sBillAddr2,
sBillCity, sBillState, sBillZip, sBillCountry, _
                                                    sCCNum, sCCDate, sOldDropShip, 0,
sShipBriefDescr, cTax, cShip, "", sMfrEmail, "", "", "", _
                                                    sShipPhone, "", sBillPhone,
sBillExt, "", "", sBillBriefDescr, sBillDescr, sShipDescr, _
                                                    sShiptoCompanyName,
sBilltoCompanyName, 0, sCCName, sURL, oRsPipeItems)
                                                    ReDim Preserve lOrderID(lCounter -
1)
                                                    ReDim Preserve
dOrderLastMaintdate(lCounter - 1)
                                                    lOrderID(lCounter - 1) =
oRSNewOrder!ord_id
                                                    dOrderLastMaintdate(lCounter - 1) =
oRSNewOrder!last_maint_dtm
                                                    sGroupMessage = sGroupMessage &
CStr(oRSNewOrder!ord_num) & " , "
                                                    If sOldDropShip = "1" Then
sDropShipMessage = sDropShipMessage & CStr(oRSNewOrder!ord_num) & " , "
                                                    Set oRSNewOrder = Nothing
                                            End If
                                            'collect order data for the next order
                                            bFirstRow = True
                                            bFirstDropShip = False
                                            ReDim Preserve sItemMessage(lCounter)
                                            sItemMessage(lCounter) = ""
                                                'remove any rows from pipe items, so
that it is a clean empty recordset
                                                Do While oRsPipeItems.RecordCount > 0
                                                    oRsPipeItems.MoveFirst
                                                    oRsPipeItems.Delete adAffectCurrent
```

```
                                    BOrder.cls
                                        Loop
                                    lManfID = oRsQue!src_mfr_id
                                    sPO = IIf(IsNull(oRsQue!po_num), "",
oRsQue!po_num)
                                    sRef = IIf(IsNull(oRsQue!ref_num), "",
oRsQue!ref_num)
                                    lShipID = IIf(IsNull(oRsQue!ship_typ_id), 0,
oRsQue!ship_typ_id)
                                    sURL = "" ' IIf(IsNull(oRsQue!url), "",
oRsQue!url)
                                    sMfrEmail =
IIf(IsNull(oRsManf!ord_email_addr), oRsManf!admin_email_addr,
oRsManf!ord_email_addr)

                                    'make sure notes need to be added
                                    ReDim Preserve lAddGroupMessage(lCounter)
                                    ReDim Preserve lAddDropShipMessage(lCounter)
                                    ReDim Preserve
lAddDirectShipmessage(lCounter)
                                    If oRsQue!incl_all_note_ind = "1" Then
                                        lAddGroupMessage(lCounter) = 1
                                    Else
                                        lAddGroupMessage(lCounter) = 0
                                    End If
                                    If oRsQue!incl_drop_ship_note_ind = "1" Then
                                        lAddDropShipMessage(lCounter) = 1
                                    Else
                                        lAddDropShipMessage(lCounter) = 0
                                    End If
                                    If sDropShipInd = "0" Then
                                        lAddDirectShipmessage(lCounter) = 1
                                    Else
                                        lAddDirectShipmessage(lCounter) = 0
                                    End If
                                    lOldOrderID = oRsQue!ord_id
                                    ReDim Preserve sItemMessage(lCounter) ' one
message per order
                                    lCounter = lCounter + 1
                                End If
                End If

                    'for each order get ship and bill data, if drop ship, get
the ship address from the order table
                    'if direct ship, get the ship address from the pl que record
set
                    ' all bill address comes from the pl que record set
                    If bFirstRow Then
                            If sDropShipInd = "0" Then
                                sShipName = IIf(IsNull(oRsQue!ship_to_nme), "",
CStr(oRsQue!ship_to_nme))
                                sShipAddr1 = IIf(IsNull(oRsQue!ship_to_addr_1),
"", CStr(oRsQue!ship_to_addr_1))
                                sShipAddr2 = IIf(IsNull(oRsQue!ship_to_addr_2),
"", CStr(oRsQue!ship_to_addr_2))
                                sShipCity = IIf(IsNull(oRsQue!ship_to_city), "",
CStr(oRsQue!ship_to_city))
                                sShipState = IIf(IsNull(oRsQue!ship_to_st_prov),
"", CStr(oRsQue!ship_to_st_prov))
                                sShipZip =
IIf(IsNull(oRsQue!ship_to_zip_pstl_cd), "", CStr(oRsQue!ship_to_zip_pstl_cd))
                                sShipCountry =
IIf(IsNull(oRsQue!ship_to_country), "", CStr(oRsQue!ship_to_country))
                                sShipPhone = IIf(IsNull(oRsQue!ship_to_phone),
```

```
"", CStr(oRsQue!ship_to_phone))
                                    sShipExt = IIf(IsNull(oRsQue!ship_to_ext), "",
CStr(oRsQue!ship_to_ext))
                                    sShipDescr = IIf(IsNull(oRsQue!ship_descr), "",
CStr(oRsQue!ship_descr))
                                    sShipBriefDescr =
IIf(IsNull(oRsQue!ship_brief_descr), "", CStr(oRsQue!ship_brief_descr))
                                    sShiptoCompanyName =
IIf(IsNull(oRsQue!ship_to_company_nme), "", CStr(oRsQue!ship_to_company_nme))
                                Else
                                    Set oRSorder = oDB.GetOrder(oRsQue!ord_id)
                                    sShipName = IIf(IsNull(oRSorder!ship_to_nme),
"", CStr(oRSorder!ship_to_nme))
                                    sShipAddr1 =
IIf(IsNull(oRSorder!ship_to_addr_1), "", CStr(oRSorder!ship_to_addr_1))
                                    sShipAddr2 =
IIf(IsNull(oRSorder!ship_to_addr_2), "", CStr(oRSorder!ship_to_addr_2))
                                    sShipCity = IIf(IsNull(oRSorder!ship_to_city),
"", CStr(oRSorder!ship_to_city))
                                    sShipState =
IIf(IsNull(oRSorder!ship_to_st_prov), "", CStr(oRSorder!ship_to_st_prov))
                                    sShipZip =
IIf(IsNull(oRSorder!ship_to_zip_pstl_cd), "", CStr(oRSorder!ship_to_zip_pstl_cd))
                                    sShipCountry =
IIf(IsNull(oRSorder!ship_to_country), "", CStr(oRSorder!ship_to_country))
                                    sShipPhone = IIf(IsNull(oRSorder!ship_to_phone),
"", CStr(oRSorder!ship_to_phone))
                                    sShipExt = IIf(IsNull(oRSorder!ship_to_ext), "",
CStr(oRSorder!ship_to_ext))
                                    sShipDescr = IIf(IsNull(oRSorder!ship_descr),
"", CStr(oRSorder!ship_descr))
                                    sShipBriefDescr =
IIf(IsNull(oRSorder!ship_brief_descr), "", CStr(oRSorder!ship_brief_descr))
                                    sShiptoCompanyName =
IIf(IsNull(oRSorder!ship_to_company_nme), "", CStr(oRSorder!ship_to_company_nme))
                                    Set oRSorder = Nothing
                                End If
                                sBillName = IIf(IsNull(oRsQue!bill_to_nme), "",
CStr(oRsQue!bill_to_nme))
                                sBillAddr1 = IIf(IsNull(oRsQue!bill_to_addr_1), "",
CStr(oRsQue!bill_to_addr_1))
                                sBillAddr2 = IIf(IsNull(oRsQue!bill_to_addr_2), "",
CStr(oRsQue!bill_to_addr_2))
                                sBillCity = IIf(IsNull(oRsQue!bill_to_city), "",
CStr(oRsQue!bill_to_city))
                                sBillState = IIf(IsNull(oRsQue!bill_to_st_prov), "",
CStr(oRsQue!bill_to_st_prov))
                                sBillZip = IIf(IsNull(oRsQue!bill_to_zip_pstl_cd),
"", CStr(oRsQue!bill_to_zip_pstl_cd))
                                sBillCountry = IIf(IsNull(oRsQue!bill_to_country),
"", CStr(oRsQue!bill_to_country))
                                sBillPhone = IIf(IsNull(oRsQue!bill_to_phone), "",
CStr(oRsQue!bill_to_phone))
                                sBillExt = IIf(IsNull(oRsQue!bill_to_ext), "",
CStr(oRsQue!bill_to_ext))
                                sBillDescr = IIf(IsNull(oRsQue!bill_descr), "",
CStr(oRsQue!bill_descr))
                                sBillBriefDescr =
IIf(IsNull(oRsQue!bill_brief_descr), "", CStr(oRsQue!bill_brief_descr))
                                sBilltoCompanyName =
IIf(IsNull(oRsQue!bill_to_company_nme), "", CStr(oRsQue!bill_to_company_nme))

                                bFirstRow = False
```

```
                        End If

                        'add items to the pipe ORS all direct ship items go into one
order for the pipe mfr
                        oRsPipeItems.AddNew
                        oRsPipeItems!part_id = oRsQue!part_id
                        oRsPipeItems!pipe_ord_id = oRsQue!ord_id
                        oRsPipeItems!pipe_item_num = oRsQue!item_num
                        oRsPipeItems!ord_qty = oRsQue!ord_qty
                        oRsPipeItems!unit_price = oRsQue!unit_price
                        If Not IsNull(oRsQue!design_id) Then
                            oRsPipeItems!design_id = oRsQue!design_id
                        End If
                        oRsPipeItems.Update

                        'set up item messages from pipeline que to add to new order
message
                        sItemMessage(lCounter - 1) = sItemMessage(lCounter - 1) & _

IIf(IsNull(oRsQue!pl_notes), "", oRsQue!pl_notes & vbCrLf)
                        oRsQue.MoveNext
        Loop

        'after the loop is complete, there will be one order left to be added to the
pipe mfr this will take care of that order
        'add last order
        If (Not oRsPipeItems Is Nothing) And (oRsPipeItems.RecordCount > 0) Then
                'set up tax and shipping
                'calculate the total for all items in the order
                oRsPipeItems.MoveFirst
                Do While Not oRsPipeItems.EOF
                    cTotal = cTotal + oRsPipeItems!unit_price
                    oRsPipeItems.MoveNext
                Loop
                Set oRsTax = oRate.CalcTaxAndShipRatesByStProvAbbrev(lManfID,
sShipState, lShipID, cTotal)
                cTax = oRsTax!tax_amt
                cShip = oRsTax!ship_amt
                oRsPipeItems.MoveFirst
                sURL = "No URL"
                Set oRSNewOrder = IntAddOrder(aluserID, lOrdSrcMfrID, -1, lManfID,
-1, sPO, sRef, _
                sShipName, sShipAddr1, sShipAddr2, sShipCity, sShipState, sShipZip,
sShipCountry, _
                sBillName, sBillAddr1, sBillAddr2, sBillCity, sBillState, sBillZip,
sBillCountry, _
                sCCNum, sCCDate, sDropShipInd, "0", sShipBriefDescr, cTax, cShip,
"", sMfrEmail, "", "", "", _
                sShipPhone, "", sBillPhone, sBillExt, "", "", sBillBriefDescr,
sBillDescr, sShipDescr, _
                sShiptoCompanyName, sBilltoCompanyName, 0, sCCName, sURL,
oRsPipeItems)
                ReDim Preserve lOrderID(lCounter - 1)
                ReDim Preserve dOrderLastMaintdate(lCounter - 1)
                lOrderID(lCounter - 1) = oRSNewOrder!ord_id
                dOrderLastMaintdate(lCounter - 1) = oRSNewOrder!last_maint_dtm
                lCounter = lCounter + 1
                sGroupMessage = sGroupMessage & CStr(oRSNewOrder!ord_num) & " , "
                If sDropShipInd = "1" Then
                    sDropShipMessage = sDropShipMessage & CStr(oRSNewOrder!ord_num)
& " , "
                End If
                Set oRSNewOrder = Nothing
```

```
        End If

    'setup notes for the orders
    'if at least 1 order was created lcounter is same as UBound for lorderID ()
array
    If UBound(lOrderID) >= 0 Then
        sGroupMessage = Trim$(Left(sGroupMessage, Len(sGroupMessage) - 2))
        sDropShipMessage = Trim$(Left(sDropShipMessage, Len(sDropShipMessage) - 2))
        Do While lCtr <= (UBound(lOrderID))
            'set up notes based on what the indicators
            sNotes = ""
            If lAddGroupMessage(lCtr) = 1 Then sNotes = sNotes & sGroupMessage &
vbCrLf
            sNotes = sNotes & sMfrGroupMessage & vbCrLf
            If lAddDropShipMessage(lCtr) = 1 Then sNotes = sNotes & sDropShipMessage
& vbCrLf
            If lAddDirectShipmessage(lCtr) = 1 Then sNotes = sNotes &
sDirectShipMessage & vbCrLf
            sNotes = sNotes & sItemMessage(lCtr)
            'Call UpdateOrderNotes(lOrderID(lCtr), "", "",
dOrderLastMaintdate(lCtr), sNotes, aluserID, 1)
            lCtr = lCtr + 1
        Loop
    End If

    'delete que items, error is raised in que, so no error handling here
    Call oP.DeletePipeQueueData(alQueID, dPlDate, False, aluserID)

    'update all items for pipeline mfr to InPipeline
    oRsQue.MoveFirst
    oRsQue.Sort = ""
    oRsQue.Sort = "ord_id, item_num"
    oRsQue.MoveFirst
    lOldOrderID = oRsQue!ord_id
    lUbound = -1
    Do While Not oRsQue.EOF

            'update old order
            If lOldOrderID <> oRsQue!ord_id Then

                        Set oRSorder = oDB.GetOrder(lOldOrderID)
                        If lUbound >= 0 Then
                            'no email needs to be sent here since, an Email will be
sent by src mfr to pipe mfr about the pipeline orders
                            IntUpdateOrderItemStatus lOldOrderID, lItemArray,
Array(), _
                            Array(), Array(), 7, sInternalNotes,
oRSorder!last_maint_dtm, "", "", sEmailTxt, 0, "", "", aluserID
                        End If
                       lUbound = -1
                       lOldOrderID = oRsQue!ord_id
            End If

            'add to item array
            lUbound = lUbound + 1
            ReDim Preserve lItemArray(lUbound)
            lItemArray(lUbound) = oRsQue!item_num
            sInternalNotes = oRsQue!int_notes
            sEmailTxt = IIf(IsNull(oRsQue!email_text), "", oRsQue!email_text)
            oRsQue.MoveNext

    Loop
```

```
    Set oRSorder = oDB.GetOrder(lOldOrderID)
    If lUbound >= 0 Then
            'no email needs to be sent here since, an Email will be sent by src mfr
to pipe mfr about the pipeline orders
            IntUpdateOrderItemStatus lOldOrderID, lItemArray, Array(), _
            Array(), Array(), 7, sInternalNotes, oRSorder!last_maint_dtm, "", "",
sEmailTxt, 0, "", "", aluserID, , True
    End If

    'commit
    If Not oContext Is Nothing Then
        oContext.EnableCommit
    End If
    CtxSetComplete

    Set oP = Nothing
    Set oRsQue = Nothing
    Set oManf = Nothing
    Set oRate = Nothing
    Set oRsManf = Nothing
    Set oRsPipeItems = Nothing
    Set oContext = Nothing
    Set oRSorder = Nothing
    Set oDB = Nothing
    Set oRsNotes = Nothing
    Set oRSNewOrder = Nothing
    Set oRsTax = Nothing
    Set oDBItem = Nothing

    Exit Sub

ErrHandler:

    'rollback
    If Not oContext Is Nothing Then
        oContext.EnableCommit
    End If
    CtxSetAbort

    RaiseError TypeName(Me), "Pipeline"
    Set oP = Nothing
    Set oRsQue = Nothing
    Set oManf = Nothing
    Set oRate = Nothing
    Set oRsManf = Nothing
    Set oRsPipeItems = Nothing
    Set oContext = Nothing
    Set oRSorder = Nothing
    Set oDB = Nothing
    Set oRsNotes = Nothing
    Set oRSNewOrder = Nothing
    Set oRsTax = Nothing
    Set oDBItem = Nothing

    Exit Sub

End Sub


'=====================================================================
'this function generates a message for order reference for pipeline order emails
'input - order ID, item number , pipline direction (is the email going up the chain
or doen the chain ?)
```

```
'this is for email messages only, the errors here should be ignored as they are not
part of the critical order flow process
'returns a string with reference message
'====================================================================
Private Function GetPipelineEmailInfo(ByVal alOrdID As Long, ByVal alItemNum As
Long, ByVal abPipeDirUp As Boolean) As String
On Error Resume Next

    Dim sRef As String
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    sRef = "The order reference numbers for this pipelined order are as below:" &
vbCrLf

    If abPipeDirUp Then

        'get pipeline mfr details
        sSQL = " SELECT o.ord_num, m.mfr_nme FROM ord_hdr o, mfr m "
        sSQL = sSQL & " WHERE o.mfr_id = m.mfr_id "
        sSQL = sSQL & " AND o.ord_id IN "
        sSQL = sSQL & " (SELECT pl_ord_id FROM ord_item "
        sSQL = sSQL & " WHERE ord_id = " & CStr(alOrdID) & " AND item_num = " &
CStr(alItemNum) & " ) "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount >= 1 Then
            sRef = sRef & " For " & oRS!mfr_nme & ", the order rerefence is #" &
CStr(oRS!ord_num) & "." & vbCrLf
            Set oRS = Nothing
        End If

        'get src mfr details
        sSQL = " SELECT o.ord_num, m.mfr_nme FROM ord_hdr o, mfr m "
        sSQL = sSQL & " WHERE o.mfr_id = m.mfr_id "
        sSQL = sSQL & " AND o.ord_id = " & CStr(alOrdID)
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount = 1 Then
            sRef = sRef & " For " & oRS!mfr_nme & ", the order rerefence is #" &
CStr(oRS!ord_num) & "." & vbCrLf
            Set oRS = Nothing
        End If

    Else

        'get the src mfr details
        sSQL = " SELECT o.ord_num, m.mfr_nme FROM ord_hdr o, ord_item oi, mfr m "
        sSQL = sSQL & " WHERE o.mfr_id = m.mfr_id AND o.ord_id = oi.ord_id "
        sSQL = sSQL & " AND oi.pl_ord_id = " & CStr(alOrdID) & " AND oi.pl_item_num
= " & CStr(alItemNum)
        sSQL = sSQL & " AND (o.ord_stop_stus_cd IS NULL OR o.ord_stop_stus_cd = '6'
) "
        sSQL = sSQL & " AND oi.item_stop_stus_cd IS NULL "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount = 1 Then
            sRef = sRef & " For " & oRS!mfr_nme & ", the order rerefence is #" &
CStr(oRS!ord_num) & "." & vbCrLf
            Set oRS = Nothing
        End If

        'get pipeline mfr details
        sSQL = " SELECT o.ord_num, m.mfr_nme FROM ord_hdr o, mfr m "
        sSQL = sSQL & " WHERE o.mfr_id = m.mfr_id "
        sSQL = sSQL & " AND o.ord_id = " & CStr(alOrdID)
```

```
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount = 1 Then
            sRef = sRef & " For " & oRS!mfr_nme & ", the order rerefence is #" &
CStr(oRS!ord_num) & "." & vbCrLf
            Set oRS = Nothing
        End If

    End If

    Set oRS = Nothing
    GetPipelineEmailInfo = sRef
    Err.Clear
    Exit Function

End Function

'====================================================================
'this function gets a unque order history ID and adds a history row
'args - order ID, description, and all attributes for history
'returns the order history ID
'====================================================================
Private Function AddOrderHistory(ByVal alOrderID As Long, ByVal alEmailInd As Long,
ByVal alUsrID As Long, _
                                 ByVal asDescription As String, ByVal
asEmailAddr As String, _
                                 ByVal alEmailTrkCode As Long, ByVal asIP As
String, _
                                 ByVal alOrderStatus As Long) As Long
On Error GoTo ErrHandler

    Dim oDB As DawnOrder.DBOrdHist
    Dim oSeq As DawnSeq.BSequence
    Dim lHistoryID As Long
    Dim lRow As Long

    Set oDB = CtxCreateObject("DawnOrder.DBOrdHist")
    Set oSeq = CtxCreateObject("DawnSeq.BSequence")
    lHistoryID = oSeq.GetNextInSequence("ord_hist")
    lRow = oDB.AddOrderHistory(lHistoryID, alOrderID, alUsrID, alEmailInd,
asDescription, asEmailAddr, alEmailTrkCode, asIP, alOrderStatus)
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecAddOrderHistoryFailed,
TypeName(Me), "AddOrderHistory"
    End If

    Set oDB = Nothing
    Set oSeq = Nothing
    AddOrderHistory = lHistoryID
    Exit Function

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    Exit Function

End Function
'====================================================================
'this function adds the history for an item
'args - ord_id, item num, item status and other attributes for history
'returns item history ID
'====================================================================
Private Function AddOrderItemHistory(ByVal alOrderID As Long, ByVal alItem As Long,
ByVal asDescription As String, _
```

```
                                                    ByVal asEmailAddr As String,
ByVal asIP As String, ByVal alItemStatus As Long) As Long
On Error GoTo ErrHandler

    Dim oDB As DawnOrder.DBOrdItemHist
    Dim oSeq As DawnSeq.BSequence
    Dim lRow As Long
    Dim lHistoryID As Long

    Set oSeq = CtxCreateObject("DawnSeq.BSequence")
    Set oDB = CtxCreateObject("DawnOrder.DBOrdItemHist")

    lHistoryID = oSeq.GetNextInSequence("ord_item_hist")
    lRow = oDB.AddOrderItemHistory(lHistoryID, alOrderID, alItem, asDescription,
asEmailAddr, asIP, alItemStatus)
    If lRow <> 1 Then
        RaiseResError DawnOrder.DawnOrderErrors.ecAddOrderItemHistoryFailed,
TypeName(Me), "AddOrderItemHistory"
    End If

    Set oSeq = Nothing
    Set oDB = Nothing
    CtxSetComplete
    AddOrderItemHistory = lHistoryID
    Exit Function

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    Set oSeq = Nothing
    Exit Function

End Function
```

dflt_tri_state_test.sql

```
if exists (select * from sysobjects
           where name = "sp_dflt_tri_state_test"
             and type = "p")
    drop procedure sp_dflt_tri_state_test
go

create procedure sp_dflt_tri_state_test ( @mfr_id int) as
create table #temp_memb (
                mfr_id int,
                prod_line_id int,
                commodity_id int,
                mfr_count int,
                avail_count int ,
                comm_ts_cd int,
                prod_ts_cd int)

insert into #temp_memb
select @mfr_id,  prod_line_id, commodity_id , 0 , count(distinct part_id), 0 , 0
from memb_prod_ref
where mfr_id = @mfr_id
group by prod_line_id, commodity_id

update #temp_memb set mfr_count = (select count(distinct part_id)
from mfr_accept_prod_ref
where mfr_id = @mfr_id
and avail_ind = '1'
and accept_ind = '1'
and #temp_memb.prod_line_id = mfr_accept_prod_ref.prod_line_id
and #temp_memb.commodity_id = mfr_accept_prod_ref.commodity_id)

update #temp_memb set comm_ts_cd = case when avail_count = mfr_count then 1 when
avail_count > 0 then 2 else 0 end

update #temp_memb set avail_count = (select count(distinct part_id) from
memb_prod_ref m
where mfr_id = @mfr_id
and m.prod_line_id = #temp_memb.prod_line_id
and m.mfr_id = #temp_memb.mfr_id)

update #temp_memb set mfr_count = (select count(distinct part_id)
from mfr_accept_prod_ref
where mfr_id = @mfr_id
and avail_ind = '1'
and accept_ind = '1'
and #temp_memb.prod_line_id = mfr_accept_prod_ref.prod_line_id )

update #temp_memb set prod_ts_cd = case when avail_count = mfr_count then 1 when
avail_count > 0 then 2 else 0 end

update memb_prod_ref set comm_ts_cd = t.comm_ts_cd, prod_line_ts_cd = t.prod_ts_cd
from #temp_memb t
where memb_prod_ref.prod_line_id = t.prod_line_id
and memb_prod_ref.commodity_id = t.commodity_id
and memb_prod_ref.mfr_id = t.mfr_id

/*
select * from #temp_org

select t.org_id, t.prod_line_id, t.commodity_id, t.prod_ts_cd, r.prod_line_ts_cd,
t.comm_ts_cd , r.comm_ts_cd
from #temp_org t , org_prod_ref r
where t.org_id = r.org_id
and t.prod_line_id = r.prod_line_id
```

```
and t.commodity_id = r.commodity_id
and (t.prod_ts_cd <> r.prod_line_ts_cd or t.comm_ts_cd <> r.comm_ts_cd)


select count(*) from org_prod_ref where org_id = 2 and prod_line_id = 5
select count(*) from mfr_accept_prod_ref where mfr_id = 1 and prod_line_id = 5
*/

go

grant execute on sp_dflt_tri_state_test to public
go
```

```
if exists (select * from sysobjects
           where name = "sp_mfr_dflt_price_calc_test"
             and type = "p")
    drop procedure sp_mfr_dflt_price_calc_test
go
create procedure sp_mfr_dflt_price_calc_test as
/*
create table #mfr_parts_add (
        mfr_id int,
        part_id int,
        commodity_id int,
        prod_line_id int
        )

insert into #mfr_parts_add
        select distinct mfr_id, part_id, commodity_id, prod_line_id
        from memb_prod_ref
        where mfr_id = 2295 or mfr_id = 1199
*/
/**** create temp table *****/
--drop table #dflt_prod_temp
CREATE TABLE #dflt_prod_temp(
        mfr_id int NOT NULL ,
        part_id int NOT NULL ,
        prod_line_id int NOT NULL ,
        commodity_id int NOT NULL ,
        prod_line_ts_cd char (1) NOT NULL ,
        comm_ts_cd char (1) NOT NULL ,
        list_price money  NULL ,
        sale_price money  NULL ,
        special_price money NULL ,
        web_disc money NULL ,
        final_price money NULL ,
        disc_ind char (1) NOT NULL ,
        gbl_prod_line_disc money NULL ,
        gbl_prod_line_spec money NULL ,
        gbl_comm_disc money NULL ,
        gbl_comm_spec money NULL ,
        prod_line_web_disc money NULL ,
        prod_line_web_disc_typ_cd char (1) NULL ,
        comm_web_disc money NULL ,
        comm_web_disc_typ_cd char (1) NULL ,
        dflt_use_web_disc_ind char (1) NULL default 1
)

insert into #dflt_prod_temp
  (mfr_id,
  part_id,
  commodity_id,
  prod_line_id,
  prod_line_ts_cd,
  comm_ts_cd,
  list_price,
  sale_price,
  special_price,
  web_disc,
  final_price,
  disc_ind,
  gbl_prod_line_disc,
  gbl_prod_line_spec,
  gbl_comm_disc,
  gbl_comm_spec,
  prod_line_web_disc,
```

```
prod_line_web_disc_typ_cd,
comm_web_disc,
comm_web_disc_typ_cd,
dflt_use_web_disc_ind)
select
  m.mfr_id,
  m.part_id,
  m.commodity_id,
  m.prod_line_id,
  0,
  0,
  p.list_price,
  p.sale_price,
  NULL,
  NULL,
  0.00,
  0,
  0.00,
  0.00,
  0.00,
  0.00,
  pl.web_disc_val,
  pl.web_disc_typ_cd,
  p.web_disc_val,
  p.web_disc_typ_cd,
  1
from    memb_prod_ref dp,
        mfr_comm_pricing p,
        mfr_prod_line_pricing pl,
        #mfr_parts_add m
where   dp.mfr_id = m.mfr_id
        and dp.part_id = m.part_id
        and dp.commodity_id = m.commodity_id
        and dp.prod_line_id = m.prod_line_id
        and dp.mfr_id               *= p.mfr_id
        and dp.commodity_id         *= p.commodity_id
        and dp.mfr_id               *= pl.mfr_id
        and dp.prod_line_id         *= pl.prod_line_id

/*------------GLOBAL DISCOUNTS--------------*/
-- update global product line using percentage discount
update #dflt_prod_temp
set gbl_prod_line_disc = (select  round(((disc_val/100)*
#dflt_prod_temp.sale_price),2)
      from gbl_prod_line_disc a
      where mfr_id        = #dflt_prod_temp.mfr_id
      and prod_line_id    = #dflt_prod_temp.prod_line_id
      and disc_typ_cd     = 1
      and disc_stus_cd    = 1
      and disc_start_dte = (select max(disc_start_dte)
                            from gbl_prod_line_disc b
                            where mfr_id          = a.mfr_id
                              and prod_line_id    = a.prod_line_id
                              and disc_typ_cd     = 1
                              and disc_stus_cd    = 1
                              and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                              and disc_end_dte is null
                           )
      and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
      and disc_end_dte   is null
    )
```

```
where exists(select 'x'
  from gbl_prod_line_disc c
  where mfr_id         = #dflt_prod_temp.mfr_id
    and prod_line_id   = #dflt_prod_temp.prod_line_id
    and disc_typ_cd    = 1
    and disc_stus_cd   = 1
    and disc_start_dte = (select max(disc_start_dte)
                          from gbl_prod_line_disc d
                          where mfr_id         = c.mfr_id
                            and prod_line_id   = c.prod_line_id
                            and disc_typ_cd    = 1
                            and disc_stus_cd   = 1
                            and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                            and disc_end_dte is null
                         )
    and disc_end_dte is null
    )

-- update global product line using percentage special
update #dflt_prod_temp
set gbl_prod_line_spec = (select round(((disc_val/100)*
#dflt_prod_temp.sale_price),2)
     from gbl_prod_line_disc a
     where mfr_id       = #dflt_prod_temp.mfr_id
     and prod_line_id   = #dflt_prod_temp.prod_line_id
     and disc_typ_cd    = 1
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_prod_line_disc b
                           where mfr_id         = a.mfr_id
                             and prod_line_id   = a.prod_line_id
                             and disc_typ_cd    = 1
                             and disc_stus_cd   = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                          )
     and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
     and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
   )
where exists(select 'x'
  from gbl_prod_line_disc c
  where mfr_id         = #dflt_prod_temp.mfr_id
    and prod_line_id   = #dflt_prod_temp.prod_line_id
    and disc_typ_cd    = 1
    and disc_stus_cd   = 1
    and disc_start_dte = (select max(disc_start_dte)
                          from gbl_prod_line_disc d
                          where mfr_id         = c.mfr_id
                            and prod_line_id   = c.prod_line_id
                            and disc_typ_cd    = 1
                            and disc_stus_cd   = 1
                            and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                            and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                         )
    and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
    )

-- update global product line using dollar discount
```

```
update #dflt_prod_temp
set gbl_prod_line_disc = (select disc_val
     from gbl_prod_line_disc a
     where mfr_id       = #dflt_prod_temp.mfr_id
     and prod_line_id   = #dflt_prod_temp.prod_line_id
     and disc_typ_cd    = 2
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_prod_line_disc b
                           where mfr_id          = a.mfr_id
                             and prod_line_id    = a.prod_line_id
                             and disc_typ_cd     = 2
                             and disc_stus_cd    = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte is null
                          )
     and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
     and disc_end_dte   is null
   )
where exists(select 'x'
  from gbl_prod_line_disc c
  where mfr_id         = #dflt_prod_temp.mfr_id
    and prod_line_id   = #dflt_prod_temp.prod_line_id
    and disc_typ_cd    = 2
    and disc_stus_cd   = 1
    and disc_start_dte = (select max(disc_start_dte)
                          from gbl_prod_line_disc d
                          where mfr_id         = c.mfr_id
                            and prod_line_id   = c.prod_line_id
                            and disc_typ_cd    = 2
                            and disc_stus_cd   = 1
                            and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                            and disc_end_dte is null
                         )
    and disc_end_dte is null
    )


-- update global product line using dollar special
update #dflt_prod_temp
set gbl_prod_line_spec = (select disc_val
     from gbl_prod_line_disc a
     where mfr_id       = #dflt_prod_temp.mfr_id
     and prod_line_id   = #dflt_prod_temp.prod_line_id
     and disc_typ_cd    = 2
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_prod_line_disc b
                           where mfr_id          = a.mfr_id
                             and prod_line_id    = a.prod_line_id
                             and disc_typ_cd     = 2
                             and disc_stus_cd    = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                          )
     and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
   and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
   )
where exists(select 'x'
```

```
  from gbl_prod_line_disc c
  where mfr_id         = #dflt_prod_temp.mfr_id
    and prod_line_id   = #dflt_prod_temp.prod_line_id
    and disc_typ_cd    = 2
    and disc_stus_cd   = 1
    and disc_start_dte = (select max(disc_start_dte)
                          from gbl_prod_line_disc d
                          where mfr_id         = c.mfr_id
                            and prod_line_id   = c.prod_line_id
                            and disc_typ_cd    = 2
                            and disc_stus_cd   = 1
                            and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                            and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                         )
    and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
    )


-- update global commodity using percentage discount
update #dflt_prod_temp
set gbl_comm_disc = (select round(((disc_val/100)* #dflt_prod_temp.sale_price),2)
     from gbl_comm_disc a
     where mfr_id       = #dflt_prod_temp.mfr_id
     and commodity_id   = #dflt_prod_temp.commodity_id
     and disc_typ_cd    = 1
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_comm_disc b
                           where mfr_id         = a.mfr_id
                             and commodity_id   = a.commodity_id
                             and disc_typ_cd    = 1
                             and disc_stus_cd   = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte is null
                          )
     and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
     and disc_end_dte   is null
   )
where exists(select 'x'
  from gbl_comm_disc c
  where mfr_id         = #dflt_prod_temp.mfr_id
    and commodity_id   = #dflt_prod_temp.commodity_id
    and disc_typ_cd    = 1
    and disc_stus_cd   = 1
    and disc_start_dte = (select max(disc_start_dte)
                          from gbl_comm_disc d
                          where mfr_id         = c.mfr_id
                            and commodity_id   = c.commodity_id
                            and disc_typ_cd    = 1
                            and disc_stus_cd   = 1
                            and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                            and disc_end_dte is null
                         )
    and disc_end_dte is null
    )

-- update global commodity using percentage special
update #dflt_prod_temp
set gbl_comm_spec = (select round(((disc_val/100)* #dflt_prod_temp.sale_price),2)
```

```
      from gbl_comm_disc a
      where mfr_id       = #dflt_prod_temp.mfr_id
      and commodity_id   = #dflt_prod_temp.commodity_id
      and disc_typ_cd    = 1
      and disc_stus_cd   = 1
      and disc_start_dte = (select max(disc_start_dte)


                            from gbl_comm_disc b
                            where mfr_id          = a.mfr_id
                              and commodity_id    = a.commodity_id
                              and disc_typ_cd     = 1
                              and disc_stus_cd    = 1
                              and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                              and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                           )
      and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
      and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
    )
where exists(select 'x'
  from gbl_comm_disc c
  where mfr_id          = #dflt_prod_temp.mfr_id
    and commodity_id    = #dflt_prod_temp.commodity_id
    and disc_typ_cd     = 1
    and disc_stus_cd    = 1
    and disc_start_dte = (select max(disc_start_dte)
                          from gbl_comm_disc d
                          where mfr_id          = c.mfr_id
                            and commodity_id    = c.commodity_id
                            and disc_typ_cd     = 1
                            and disc_stus_cd    = 1
                            and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                            and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                          )
    and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
    )

-- update global commodity using dollar discount
update #dflt_prod_temp
set gbl_comm_disc = (select disc_val
     from gbl_comm_disc a
     where mfr_id       = #dflt_prod_temp.mfr_id
     and commodity_id   = #dflt_prod_temp.commodity_id
     and disc_typ_cd    = 2
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_comm_disc b
                           where mfr_id          = a.mfr_id
                             and commodity_id    = a.commodity_id
                             and disc_typ_cd     = 2
                             and disc_stus_cd    = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte is null
                          )
     and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
     and disc_end_dte   is null
   )
where exists(select 'x'
```

```
   from gbl_comm_disc c
   where mfr_id         = #dflt_prod_temp.mfr_id
     and commodity_id   = #dflt_prod_temp.commodity_id
     and disc_typ_cd    = 2
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_comm_disc d
                           where mfr_id         = c.mfr_id
                             and commodity_id   = c.commodity_id
                             and disc_typ_cd    = 2
                             and disc_stus_cd   = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte is null
                          )
     and disc_end_dte is null
     )

-- update global commodity using dollar special
update #dflt_prod_temp
set gbl_comm_spec = (select disc_val
      from gbl_comm_disc a
      where mfr_id       = #dflt_prod_temp.mfr_id
      and commodity_id   = #dflt_prod_temp.commodity_id
      and disc_typ_cd    = 2
      and disc_stus_cd   = 1
      and disc_start_dte = (select max(disc_start_dte)
                            from gbl_comm_disc b
                            where mfr_id         = a.mfr_id
                              and commodity_id   = a.commodity_id
                              and disc_typ_cd    = 2
                              and disc_stus_cd   = 1
                              and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))

                              and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                           )
      and disc_start_dte <= convert(datetime,convert(varchar(20),getdate(),1))
    and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
    )
where exists(select 'x'
   from gbl_comm_disc c
   where mfr_id         = #dflt_prod_temp.mfr_id
     and commodity_id   = #dflt_prod_temp.commodity_id
     and disc_typ_cd    = 2
     and disc_stus_cd   = 1
     and disc_start_dte = (select max(disc_start_dte)
                           from gbl_comm_disc d
                           where mfr_id         = c.mfr_id
                             and commodity_id   = c.commodity_id
                             and disc_typ_cd    = 2
                             and disc_stus_cd   = 1
                             and disc_start_dte <=
convert(datetime,convert(varchar(20),getdate(),1))
                             and disc_end_dte   >=
convert(datetime,convert(varchar(20),getdate(),1))
                          )
     and disc_end_dte   >= convert(datetime,convert(varchar(20),getdate(),1))
     )

/******** Determine Largest Discount or Special ************/
/****specials****/
```

```
update #dflt_prod_temp
set special_price = sale_price - round(gbl_prod_line_spec,2)
where  gbl_prod_line_spec >  gbl_comm_spec

update #dflt_prod_temp
set special_price = sale_price - round(gbl_comm_spec,2)
where  gbl_comm_spec >  gbl_prod_line_spec

/*******discount*****/
update #dflt_prod_temp
set sale_price = sale_price - round(gbl_prod_line_disc,2),
      disc_ind = 1
where  gbl_prod_line_disc >  gbl_comm_disc

update #dflt_prod_temp
set sale_price =sale_price -  round(gbl_comm_disc,2),
      disc_ind = 1
where  gbl_comm_disc >  gbl_prod_line_disc

/*** update the final_price with the sale price ****/
update #dflt_prod_temp
set final_price = round(sale_price,2)
where 1 = 1

update #dflt_prod_temp
set final_price = -9999999.9900
where final_price is null

update #dflt_prod_temp
set sale_price = 0.00
where sale_price is null

update #dflt_prod_temp
set list_price = 0.00
where list_price is null

/*** overwrite the final_price if the special prices is lower ****/
update #dflt_prod_temp
set final_price = round(special_price,2)
where sale_price > special_price
and special_price is not NULL

/***** translate the percentage web discounts************/
update #dflt_prod_temp
set comm_web_disc = (final_price*(comm_web_disc/100))
where comm_web_disc_typ_cd = 1
  and comm_web_disc > 0

update #dflt_prod_temp
set prod_line_web_disc = (final_price*(prod_line_web_disc/100))
where prod_line_web_disc_typ_cd = 1
  and prod_line_web_disc > 0


/***** determine the greatest web discount************/
update #dflt_prod_temp
set web_disc = round(prod_line_web_disc,2)
where  prod_line_web_disc <> 0
  and  prod_line_web_disc is not NULL
  and  prod_line_web_disc >= comm_web_disc

update #dflt_prod_temp
set web_disc = round(comm_web_disc,2)
```

```
where  prod_line_web_disc <> 0
  and  prod_line_web_disc is not NULL
  and  comm_web_disc >= prod_line_web_disc

/****** subtract the web discount from the final price if web_use_disc_ind is 1
******/
update #dflt_prod_temp
set final_price = final_price-web_disc
where  web_disc <> 0
  and  web_disc is not NULL
  and  final_price > 0
  and  dflt_use_web_disc_ind = 1

-- update org_prod_ref with the price structure
update memb_prod_ref set
list_price = t.list_price,
sale_price = t.sale_price,
special_price = t.special_price,
final_price = t.final_price,
web_disc = t.web_disc,
disc_ind = t.disc_ind
from #dflt_prod_temp t
where memb_prod_ref.mfr_id = t.mfr_id
and memb_prod_ref.part_id = t.part_id
and memb_prod_ref.commodity_id = t.commodity_id
and memb_prod_ref.prod_line_id = t.prod_line_id

go

grant execute on sp_mfr_dflt_price_calc_test to public
go
```

org_tri_state_test.sql

```
if exists (select * from sysobjects
           where name = "sp_org_tri_state_test"
             and type = "p")
    drop procedure sp_org_tri_state_test
go

create procedure sp_org_tri_state_test ( @mfr_id int) as
create table #temp_org (
                org_id int,
                prod_line_id int,
                commodity_id int,
                mfr_count int,
                org_count int ,
                comm_ts_cd int,
                prod_ts_cd int)

insert into #temp_org
select org.org_id, prod_line_id, commodity_id , 0 , count(distinct part_id), 0 , 0
from org_prod_ref, org
where org.mfr_id = @mfr_id
and org_prod_ref.org_id = org.org_id
group by org.org_id, prod_line_id, commodity_id

update #temp_org set mfr_count = (select count(distinct part_id)
from mfr_accept_prod_ref
where mfr_id = @mfr_id
and avail_ind = '1'
and accept_ind = '1'
and #temp_org.prod_line_id = mfr_accept_prod_ref.prod_line_id
and #temp_org.commodity_id = mfr_accept_prod_ref.commodity_id)

update #temp_org set comm_ts_cd = case when org_count = mfr_count then 1 else 2 end

update #temp_org set org_count = (select count(distinct part_id) from org_prod_ref,
org
where org.mfr_id = @mfr_id
and org_prod_ref.org_id = org.org_id
and org_prod_ref.prod_line_id = #temp_org.prod_line_id
and org_prod_ref.org_id = #temp_org.org_id)

update #temp_org set mfr_count = (select count(distinct part_id)
from mfr_accept_prod_ref
where mfr_id = @mfr_id
and avail_ind = '1'
and accept_ind = '1'
and #temp_org.prod_line_id = mfr_accept_prod_ref.prod_line_id )

update #temp_org set prod_ts_cd = case when org_count = mfr_count then 1 else 2 end


update org_prod_ref set comm_ts_cd = t.comm_ts_cd, prod_line_ts_cd = t.prod_ts_cd
from #temp_org t
where org_prod_ref.org_id = t.org_id
and org_prod_ref.prod_line_id = t.prod_line_id
and org_prod_ref.commodity_id = t.commodity_id

/*
select * from #temp_org

select t.org_id, t.prod_line_id, t.commodity_id, t.prod_ts_cd, r.prod_line_ts_cd,
t.comm_ts_cd , r.comm_ts_cd
from #temp_org t , org_prod_ref r
where t.org_id = r.org_id
```

```
and t.prod_line_id = r.prod_line_id
and t.commodity_id = r.commodity_id
and (t.prod_ts_cd <> r.prod_line_ts_cd or t.comm_ts_cd <> r.comm_ts_cd)


select count(*) from org_prod_ref where org_id = 2 and prod_line_id = 5
select count(*) from mfr_accept_prod_ref where mfr_id = 1 and prod_line_id = 5
*/

go

grant execute on sp_org_tri_state_test to public
go
```

sp_mfr_accept_tri_state_test.sql

```
if exists (select * from sysobjects
           where name = "sp_mfr_accept_tri_state_test"
             and type = "p")
    drop procedure sp_mfr_accept_tri_state_test
go

create procedure sp_mfr_accept_tri_state_test ( @mfr_id int, @src_mfr_id int) as
-- new SP for mfr accept tri states for the whole src

--2 args - mfr ID and src mfr ID
--drop table #tri_state

create table #tri_state (
                        mfr_id int,
                        src_mfr_id int,
                        prod_line_id int,
                        commodity_id int,
                        part_avail int,
                        part_accept int,
                        comm_ts_cd int,
                        prod_ts_cd int,
                        mfr_ts_cd int )

insert into #tri_state
        select @mfr_id, @src_mfr_id, prod_line_id, commodity_id, 0, 0, 0, 0, 0
        from mfr_accept_part
        where mfr_id = @mfr_id
        and src_mfr_id = @src_mfr_id
        order by prod_line_id, commodity_id

update #tri_state
        set part_avail = (select count(m.part_id)
        from mfr_accept_part m
        where #tri_state.mfr_id = m.mfr_id
        and #tri_state.src_mfr_id = m.src_mfr_id
        and #tri_state.prod_line_id = m.prod_line_id
        and #tri_state.commodity_id = m.commodity_id
        and m.avail_ind = '1')

update #tri_state
        set part_accept = (select count(m.part_id)
        from mfr_accept_part m
        where #tri_state.mfr_id = m.mfr_id
        and #tri_state.src_mfr_id = m.src_mfr_id
        and #tri_state.prod_line_id = m.prod_line_id
        and #tri_state.commodity_id = m.commodity_id
        and m.accept_ind = '1' and m.avail_ind = '1')

update #tri_state set comm_ts_cd = case when ( part_avail = part_accept and
part_avail > 0 ) then 1 when part_accept > 0 then 2 else 0 end

update #tri_state
        set part_avail = (select count(m.part_id)
        from mfr_accept_part m
        where #tri_state.mfr_id = m.mfr_id
        and #tri_state.src_mfr_id = m.src_mfr_id
        and #tri_state.prod_line_id = m.prod_line_id
        and m.avail_ind = '1')

update #tri_state
        set part_accept = ( select count(m.part_id)
        from mfr_accept_part m
        where #tri_state.mfr_id = m.mfr_id
```

```
        and #tri_state.src_mfr_id = m.src_mfr_id
        and #tri_state.prod_line_id = m.prod_line_id
        and m.accept_ind = '1' and m.avail_ind = '1' )

update #tri_state set prod_ts_cd = case when ( part_avail = part_accept and
part_avail > 0 ) then 1 when part_accept > 0 then 2 else 0 end

update #tri_state
        set part_avail = (select count(m.part_id)
        from mfr_accept_part m
        where #tri_state.mfr_id = m.mfr_id
        and #tri_state.src_mfr_id = m.src_mfr_id
        and m.avail_ind = '1')

update #tri_state
        set part_accept = ( select count(m.part_id)
        from mfr_accept_part m
        where #tri_state.mfr_id = m.mfr_id
        and #tri_state.src_mfr_id = m.src_mfr_id
        and m.accept_ind = '1' and m.avail_ind = '1' )

update #tri_state set mfr_ts_cd = case when ( part_avail = part_accept and
part_avail > 0 ) then 1 when part_accept > 0 then 2 else 0 end

update mfr_accept_prod_ref
        set comm_ts_cd = t.comm_ts_cd
        from #tri_state t
        where t.mfr_id = mfr_accept_prod_ref.mfr_id
        and t.src_mfr_id = mfr_accept_prod_ref.src_mfr_id
        and t.commodity_id = mfr_accept_prod_ref.commodity_id
        and t.prod_line_id = mfr_accept_prod_ref.prod_line_id

update mfr_accept_prod_ref
        set prod_line_ts_cd = t.prod_ts_cd
        from #tri_state t
        where t.mfr_id = mfr_accept_prod_ref.mfr_id
        and t.src_mfr_id = mfr_accept_prod_ref.src_mfr_id
        and t.commodity_id = mfr_accept_prod_ref.commodity_id
        and t.prod_line_id = mfr_accept_prod_ref.prod_line_id

update mfr_accept_prod_ref
        set mfr_ts_cd = t.mfr_ts_cd
        from #tri_state t
        where t.mfr_id = mfr_accept_prod_ref.mfr_id
        and t.src_mfr_id = mfr_accept_prod_ref.src_mfr_id
        and t.commodity_id = mfr_accept_prod_ref.commodity_id
        and t.prod_line_id = mfr_accept_prod_ref.prod_line_id

/*
select * from #tri_state

select mfr_id, src_mfr_id, prod_line_id, commodity_id, part_id, prod_line_ts_cd,
comm_ts_cd
from mfr_accept_prod_ref
where mfr_id = 1 and src_mfr_id = 0
order by prod_line_id, commodity_id, part_id

select t.prod_line_id, t.commodity_id, t.prod_ts_cd, m.prod_line_ts_cd, t.comm_ts_cd
, m.comm_ts_cd
        from #tri_state t, mfr_accept_prod_ref m
        where t.mfr_id *= m.mfr_id
        and t.src_mfr_id *= m.src_mfr_id
        and t.prod_line_id *= m.prod_line_id
```

```
                        sp_mfr_accept_tri_state_test.sql
        and t.commodity_id *= m.commodity_id
        and t.part_id *= m.part_id
*/
go

grant execute on sp_mfr_accept_tri_state_test to public
go
```

sp_pipeline_mfr_add.sql

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_mfr_add]') and OBJECTPROPERTY(id, N'IsProcedure') =
1)
drop procedure [dbo].[sp_pipeline_mfr_add]
GO

/*
* sp_pipeline_mfr_add
* this procedure will set avail = 1 for all pipeline orgs for one mfr
* uday 15 feb 2000
*/

CREATE PROCEDURE sp_pipeline_mfr_add ( @lSrcMfr integer) AS

declare @lOrg integer

-- create temp table
create table #temp1( org_id integer primary key)

-- get all pipeline orgs for this mfr

insert into #temp1 select distinct org_id from org where mfr_id = @lSrcMfr and
pl_ind = '1' and pl_mfr_id is not null

-- loop thru a cursor and set all the orgs avail ind = 0
declare pipe_org cursor for select org_id from #temp1
open pipe_org
fetch next from pipe_org into @lOrg
while @@fetch_status = 0
begin
        exec sp_pipeline_org_add @lOrg , 0
        fetch next from pipe_org into @lOrg
end
close pipe_org
deallocate pipe_org

GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

GRANT  EXECUTE  ON [dbo].[sp_pipeline_mfr_add]  TO [public]
GO
```

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_mfr_product_add]') and OBJECTPROPERTY(id,
N'IsProcedure') = 1)
drop procedure [dbo].[sp_pipeline_mfr_product_add]
GO

/*
sp_pipeline_mfr_product_add
this procedure removed a prod for all the pipeline orgs for this mfr
this can happen when a supplier makes the prod unavaliable to the source mfr or if
the source mfr unaccepts the prod
*/

CREATE PROCEDURE  sp_pipeline_mfr_product_add ( @lSrcMfr int , @lProdline int = -1 ,
@lCommodity int = -1 , @lPart int = -1 )  AS

declare @lOrg integer

-- check to make sure at least 1 ID has been passed
if @lProdline = -1 and @lCommodity = 1 and @lPart = -1
begin
        return
end

-- create temp table
create table #temp1 ( org_id int primary key)

-- get all pipeline orgs
insert into #temp1 select distinct org_id from org where mfr_id = @lSrcMfr and
pl_ind = '1' and pl_mfr_id is not null

-- loop thru and call the org SP to do the actual job
declare pipe_org cursor for select org_id from #temp1
open pipe_org
fetch next from pipe_org into @lOrg
while @@fetch_status = 0
begin
        exec sp_pipeline_org_product_add @lOrg , @lProdLine , @lCommodity , @lPart ,
0
        fetch next from pipe_org into @lOrg
end
close pipe_org
deallocate pipe_org



GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

GRANT  EXECUTE  ON [dbo].[sp_pipeline_mfr_product_add]  TO [public]
GO
```

sp_pipeline_mfr_product_remove.sql

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_mfr_product_remove]') and OBJECTPROPERTY(id,
N'IsProcedure') = 1)
drop procedure [dbo].[sp_pipeline_mfr_product_remove]
GO

/*
sp_pipeline_mfr_product_remove
this procedure removed a prod for all the pipeline orgs for this mfr
this can happen when a supplier makes the prod unavaliable to the source mfr or if
the source mfr unaccepts the prod
*/

CREATE PROCEDURE  sp_pipeline_mfr_product_remove ( @lSrcMfr int , @lProdline int =
-1 , @lCommodity int = -1 , @lPart int = -1 )  AS

declare @lOrg integer

-- check to make sure at least 1 ID has been passed
if @lProdline = -1 and @lCommodity = 1 and @lPart = -1
begin
        return
end

-- create temp table
create table #temp1 ( org_id int primary key)

-- get all pipeline orgs
insert into #temp1 select distinct org_id from org where mfr_id = @lSrcMfr and
pl_ind = '1' and pl_mfr_id is not null

-- loop thru and call the org SP to do the actual job
declare pipe_org cursor for select org_id from #temp1
open pipe_org
fetch next from pipe_org into @lOrg
while @@fetch_status = 0
begin
        exec sp_pipeline_org_product_remove @lOrg , @lProdLine , @lCommodity ,
@lPart
        fetch next from pipe_org into @lOrg
end
close pipe_org
deallocate pipe_org


GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO


GRANT  EXECUTE  ON [dbo].[sp_pipeline_mfr_product_remove]  TO [public]
GO
```

sp_pipeline_mfr_remove.sql

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_mfr_remove]') and OBJECTPROPERTY(id, N'IsProcedure')
= 1)
drop procedure [dbo].[sp_pipeline_mfr_remove]
GO

/*
* sp_pipeline_mfr_remove
* this procedure will set avail = 0 for all pipeline orgs for one mfr
* uday 15 feb 2000
*/

CREATE PROCEDURE sp_pipeline_mfr_remove ( @lSrcMfr integer) AS

declare @lOrg integer

-- create temp table
create table #temp1( org_id integer primary key)

-- get all pipeline orgs for this mfr

insert into #temp1 select distinct org_id from org where mfr_id = @lSrcMfr and
pl_ind = '1' and pl_mfr_id is not null

-- loop thru a cursor and set all the orgs avail ind = 0
declare pipe_org cursor for select org_id from #temp1
open pipe_org
fetch next from pipe_org into @lOrg
while @@fetch_status = 0
begin
        exec sp_pipeline_org_remove @lOrg , 0
        fetch next from pipe_org into @lOrg
end
close pipe_org
deallocate pipe_org
GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO


GRANT  EXECUTE  ON [dbo].[sp_pipeline_mfr_remove]  TO [public]
GO
```

sp_pipeline_org_add.sql

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_org_add]') and OBJECTPROPERTY(id, N'IsProcedure') =
1)
drop procedure [dbo].[sp_pipeline_org_add]
GO

/*
* sp_pipeline_org_add
* this procedure will subscribe all parts in a pipeline org to the pipeline mfr
* lNew is a indicator to let this SP know if new rows are added or if old status is
being restored
* uday jan 31 2000
*/

CREATE PROCEDURE sp_pipeline_org_add ( @lPipelineOrg int , @lNew int = 1 )
as

declare @lSrcMfr integer
declare @lPipelineMfr integer
declare @lProd integer
declare @lOrg integer

-- get mfr IDs for src and pipeline
select @lSrcMfr = mfr_id from org where org_id = @lPipelineOrg
select @lPipelineMfr = pl_mfr_id from org where org_id = @lPipelineOrg

-- check for pipeline mfr
if ( @lPipelineMfr is null or @lPipeLineMfr <= 0 )
begin
        return
end

-- create temp table
create table #temp1 ( org_id int primary key)

--if rows already exist in the mfr accept part table , then turn on the avail ind
else insert all the rows
-- else get all rows from the org prod ref table and add it to the
--mfr_accept_part table with src_mfr as @lsrcmfr and mfr_id as @lpipelinemfr
if exists ( select part_id from mfr_accept_part where mfr_id = @lPipeLineMfr and
src_mfr_id = @lSrcMfr)
begin
        update mfr_accept_part set avail_ind = '1'
        where mfr_id = @lPipeLineMfr and src_mfr_id = @lSrcMfr

        if @lNew = 1
        begin
                -- if any of the parts here have been accpeted and been pipelined to
other orgs, then those orgs should also have avail ind = 1
                insert  into #temp1 select distinct org_prod_ref.org_id from
org_prod_ref, org
                where  mfr_id = @lPipelineMfr
                and part_id not in ( select distinct part_id from mfr_accept_part
where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and accept_ind = '1')
                and org.org_id = org_prod_ref.org_id and org.pl_ind = '1'
        end
end
else
begin
        insert into mfr_accept_part ( mfr_id, part_id, src_mfr_id, prod_line_id,
```

```
        commodity_id, accept_ind, dflt_src_ind, avail_ind, create_dtm,
last_maint_dtm )
        select @lPipelineMfr, part_id, @lSrcMfr , prod_line_id, commodity_id, '0' ,
        '0' , '1' , getdate(), getdate()
        from org_prod_ref where org_id = @lPipelineOrg
end

-- if there are any dependent pipeline orgs, then set avail_ind = 1 for all those
orgs too
if (select count(*) from #temp1) > 0
begin
        declare pipe_org cursor for select org_id from #temp1
        open pipe_org
        fetch next from pipe_org into @lOrg
        while @@fetch_status = 0
        begin
                exec sp_pipeline_org_add @lOrg
                fetch next from pipe_org into @lOrg
        end
        close pipe_org
        deallocate pipe_org
end

GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO


GRANT  EXECUTE  ON [dbo].[sp_pipeline_org_add]  TO [public]
GO
```

```
SET QUOTED_IDENTIFIER  OFF     SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_org_product_add]') and OBJECTPROPERTY(id,
N'IsProcedure') = 1)
drop procedure [dbo].[sp_pipeline_org_product_add]
GO

/*
* sp_pipeline_org_product_add
* this procedure will subscribe all parts in a pipeline org to the pipeline mfr
* lNew is a indicator to let this SP know if new rows will be added or just the old
status will be restored for this pipeline org
* uday jan 31 2000
*/

CREATE PROCEDURE sp_pipeline_org_product_add ( @lPipelineOrg int , @lProdLine int =
-1 , @lCommodity int = -1 , @lPart int = -1 , @lNew int = 1)
as

declare @lSrcMfr integer
declare @lPipelineMfr integer
declare @lLocalPart integer
declare @lLocalOrg integer

-- get mfr IDs for src and pipeline
select @lSrcMfr = mfr_id from org where org_id = @lPipelineOrg
select @lPipelineMfr = pl_mfr_id from org where org_id = @lPipelineOrg

-- check for pipeline mfr
if ( @lPipelineMfr is null or @lPipeLineMfr <= 0 )
begin
        return
end
--create temp tables temp1 for dflt prod , temp2 for org prod and temp3 for
recursive pipeline orgs
create table #temp1 (part_id int primary key)
create table #temp2 (org_id int not null , part_id int not null )
alter table #temp2 add constraint  pk_temp2 primary key (org_id, part_id)
create table #temp3 (org_id int not null , part_id int not null )
alter table #temp3 add constraint  pk_temp3 primary key (org_id, part_id)

--check for error
if @lProdLine = -1 and @lCommodity = -1 and @lPart = -1
        begin
                return
--              raiserror ('The product ID supplied is not valid.' , 1 , 1)
        end

-- if prodline is being added, then insert all parts into the mfr_accept_part table
except for the parts which are already in there.
-- for these parts, turn avail_ind = 1

if @lProdLine > 0
begin

        -- update already existing parts
        update mfr_accept_part set avail_ind = '1'
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and prod_line_id =
@lProdLine

        if @lNew = 1
```

```
        begin
                -- insert new parts for this prod line
                insert into mfr_accept_part ( mfr_id, part_id, src_mfr_id,
prod_line_id,
                commodity_id, accept_ind, dflt_src_ind, avail_ind, create_dtm,
last_maint_dtm )
                select @lPipelineMfr, part_id, @lSrcMfr , prod_line_id,
commodity_id, '0'
                '0' , '1' , getdate(), getdate()
                from org_prod_ref where org_id = @lPipelineOrg and prod_line_id =
@lProdLine
                and part_id not in (select distinct part_id from mfr_accept_part
                where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and
prod_line_id = @lProdLine)
        end
/*
        -- get list of all parts with access to dflt members,  the memb prod ref
table needs to be updated for these parts
        insert into #temp1 select distinct part_id from dflt_avail_part
        where part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and prod_line_id =
@lProdLine)
        and part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and prod_line_id =
@lProdLine and accept_ind = '1' )

        -- get list of parts with access to org,  the memb prod ref table needs to
be updated for these parts
        insert into #temp2 select distinct org_id , part_id from org_avail_part
        where part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and prod_line_id =
@lProdLine)
        and part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and prod_line_id =
@lProdLine and accept_ind = '1' )

        -- get a list of pipeline orgs belonging to this mfr which are affected by
this. these orgs need to be refreshed by recursive calling
        insert into #temp3 select distinct opr.org_id , opr.part_id from
org_prod_ref opr , org o
        where opr.org_id = o.org_id and o.pl_ind = '1'
        and opr.part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and prod_line_id =
@lProdLine)
        and opr.part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and prod_line_id =
@lProdLine and accept_ind = '1' )
*/
end

-- if commodity is being added, then insert all parts into the mfr_accept_part table
except for the parts which are already in there.
-- for these parts, turn avail_ind = 1

if @lCommodity > 0
begin

        -- update already existing parts
        update mfr_accept_part set avail_ind = '1'

        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and commodity_id =
@lCommodity
```

```
        if @lNew = 1
        begin
                -- insert new parts for this prod line
                insert into mfr_accept_part ( mfr_id, part_id, src_mfr_id,
prod_line_id,
                commodity_id, accept_ind, dflt_src_ind, avail_ind, create_dtm,
last_maint_dtm )
                select @lPipelineMfr, part_id, @lSrcMfr , prod_line_id,
commodity_id, '0',
                '0' , '1' , getdate(), getdate()
                from org_prod_ref where org_id = @lPipelineOrg and commodity_id =
@lCommodity
                and part_id not in (select distinct part_id from mfr_accept_part
                where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and
commodity_id = @lCommodity)
        end
/*
        -- get list of all parts with access to dflt members,  the memb prod ref
table needs to be updated for these parts
        insert into #temp1 select distinct part_id from dflt_avail_part
        where part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and commodity_id =
@lCommodity)
        and part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and commodity_id =
@lCommodity and accept_ind = '1' )

        -- get list of parts with access to org,  the memb prod ref table needs to
be updated for these parts
        insert into #temp2 select distinct org_id , part_id from org_avail_part
        where part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and commodity_id =
@lCommodity)
        and part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and commodity_id =
@lCommodity and accept_ind = '1' )

        -- get a list of pipeline orgs belonging to this mfr which are affected by
this. these orgs need to be refreshed by recursive calling
        insert into #temp3 select distinct opr.org_id , opr.part_id from
org_prod_ref opr , org o
        where opr.org_id = o.org_id and o.pl_ind = '1'
        and opr.part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and commodity_id =
@lCommodity)
        and opr.part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and commodity_id =
@lCommodity and accept_ind = '1' )
*/
end


-- if part is being added, then insert it into the mfr_accept_part table unless it
is already in there
-- for this part, turn avail_ind = 1

if @lPart > 0
begin

        -- update already existing part
        if exists ( select 1 from mfr_accept_part where mfr_id = @lPipelineMfr and
src_mfr_id = @lSrcMfr and part_id = @lPart)
        begin
```

```
                update mfr_accept_part set avail_ind = '1'
                where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and part_id =
@lPart
        end
        else
        begin
                if @lNew = 1
                begin
                        -- insert new parts for this prod line
                        insert into mfr_accept_part ( mfr_id, part_id, src_mfr_id,
prod_line_id,
                        commodity_id, accept_ind, dflt_src_ind, avail_ind,
create_dtm, last_maint_dtm )
                        select @lPipelineMfr, @lPart , @lSrcMfr , prod_line_id,
commodity_id, '0' ,
                        '0' , '1' , getdate(), getdate()
                        from org_prod_ref where org_id = @lPipelineOrg and part_id =
@lPart
                end
        end
/*
        -- get list of all parts with access to dflt members,  the memb prod ref
table needs to be updated for these parts
        insert into #temp1 select distinct part_id from dflt_avail_part
        where part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and part_id = @lPart)
        and part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and part_id = @lPart
and accept_ind = '1' )

        -- get list of parts with access to org,  the memb prod ref table needs to
be updated for these parts
        insert into #temp2 select distinct org_id , part_id from org_avail_part
        where part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and part_id = @lPart)
        and part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and part_id = @lPart
and accept_ind = '1' )

        -- get a list of pipeline orgs belonging to this mfr which are affected by
this. these orgs need to be refreshed by recursive calling
        insert into #temp3 select distinct opr.org_id , opr.part_id from
org_prod_ref opr , org o
        where opr.org_id = o.org_id and o.pl_ind = '1'
        and opr.part_id in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr and part_id = @lPart)
        and opr.part_id not in (select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and part_id = @lPart
and accept_ind = '1' )
*/
end
/*
-- add member prod ref entries for these parts
if (select count(*) from #temp1) > 0
begin
        declare memb_prod cursor for select part_id from #temp1
        open memb_prod
        fetch next from memb_prod into @lLocalPart
        while @@fetch_status = 0
        begin
                exec sp_dflt_avail_part_insert @lPipelineMfr , -1 , -1 , @lLocalPart
                fetch next from memb_prod into @lLocalPart
        end
```

```
        close memb_prod
        deallocate memb_prod
end

-- add org prod rf entries for these parts
if (select count(*) from #temp2) > 0
begin
        declare org_prod cursor for select org_id , part_id from #temp2
        open org_prod
        fetch next from org_prod into @lLocalOrg , @lLocalPart
        while @@fetch_status = 0
        begin
                exec sp_org_avail_part_insert @lLocalOrg , -1 , -1 , @lLocalPart
                fetch next from org_prod into @lLocalOrg , @lLocalPart
        end
        close org_prod
        deallocate org_prod
end

--recursively run this procedure for all pipeline orgs dependent on this part
addition to pipelines
if (select count(*) from #temp3) > 0
begin
        declare pipe_org cursor for select org_id from #temp3
        open pipe_org
        fetch next from pipe_org into @lLocalOrg, @lLocalPart
        while @@fetch_status = 0
        begin
                exec sp_pipeline_org_product_add @lLocalOrg ,  -1 , -1 ,
@lLocalPart
        end
        close pipe_org
        deallocate pipe_org
end
*/




GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

GRANT  EXECUTE  ON [dbo].[sp_pipeline_org_product_add]  TO [public]
GO
```

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_org_product_remove]') and OBJECTPROPERTY(id,
N'IsProcedure') = 1)
drop procedure [dbo].[sp_pipeline_org_product_remove]
GO


/*
* sp_pipeline_org_product_remove
* this procedure will unsubscribe a pipeline org from a pipeline mfr
* it will recursively call itself to remove all depedent pipelines also
* uday jan 31 2000
* uday 8/12/00 modified part selection
* uday 8/25/00 fixed SP to get correct parts
*/

CREATE PROCEDURE sp_pipeline_org_product_remove ( @lPipelineOrg int, @lProdline int
= -1, @lCommodity int = -1 , @lPart int = -1 ) as

declare @lSrcMfr integer
declare @lPipelineMfr integer
declare @lLocalOrg integer
declare @lLocalPart integer

-- get mfr IDs for src and pipeline
select @lSrcMfr = mfr_id from org where org_id = @lPipelineOrg
select @lPipelineMfr = pl_mfr_id from org where org_id = @lPipelineOrg

-- check for pipeline mfr
if ( @lPipelineMfr is null or @lPipeLineMfr <= 0 )
begin
        return
end

--check for error
if @lProdLine = -1 and @lCommodity = -1 and @lPart = -1
        begin
                return
--              raiserror ('The product ID supplied is not valid.' , 1 , 1)
        end

create table #temp1 ( part_id int primary key)
create table #temp2 ( org_id int not null , part_id int not null )
--alter table #temp2 add constraint  pk_temp2 primary key (org_id, part_id)

-- if prod line > 0 then get all prod line parts
if @lProdLine > 0
begin

        -- select all the parts in mfr accept part table with this src mfr as the
only source. this is needed for cascading the pipeline deletes
        insert into #temp1 select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr
        and part_id not in ( select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and accept_ind = '1'
)
--      and part_id not in ( select distinct part_id from mfr_accept_part
--      where mfr_id = @lSrcMfr and accept_ind = '1')
        and prod_line_id = @lProdline
```

```
        -- get all pipeline orgs where these parts are pipelines to
        insert into #temp2 select distinct org_prod_ref.org_id, part_id from
org_prod_ref,  org
        where org.org_id = org_prod_ref.org_id
        and org.pl_ind = '1' and part_id in (select part_id from #temp1)
        and prod_line_id = @lProdLine

end

-- if commodity > 0 then get all commodity parts
if @lCommodity > 0
begin

        -- select all the parts in mfr accept part table with this src mfr as the
only source. this is needed for cascading the pipeline deletes
        insert into #temp1 select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr
        and part_id not in ( select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and accept_ind = '1'
 )
--      and part_id not in ( select distinct part_id from mfr_accept_part
--      where mfr_id = @lSrcMfr and accept_ind = '1')
        and commodity_id = @lCommodity
        select * from #temp1
        -- get all pipeline orgs where these parts are pipelines to
        insert into #temp2 select distinct org_prod_ref.org_id, part_id from
org_prod_ref,  org
        where org.org_id = org_prod_ref.org_id
        and org.pl_ind = '1' and part_id in (select part_id from #temp1)
        and commodity_id = @lCommodity

end

-- if part > 0 then get part details
if @lPart > 0
begin

        -- select all the parts in mfr accept part table with this src mfr as the
only source. this is needed for cascading the pipeline deletes
        insert into #temp1 select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr
        and part_id not in ( select distinct part_id from mfr_accept_part
        where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr  and accept_ind =
'1' )
--      and part_id not in ( select distinct part_id from mfr_accept_part
--      where mfr_id = @lSrcMfr and accept_ind = '1')
        and part_id = @lPart

        -- get all pipeline orgs where these parts are pipelines to
        insert into #temp2 select distinct org_prod_ref.org_id, part_id from
org_prod_ref,  org
        where org.org_id = org_prod_ref.org_id
        and org.pl_ind = '1' and part_id in (select part_id from #temp1)
        and part_id = @lPart

end

-- set all parts for this pl mfr ID avail ind = 0  and delete all rows from mfr
accept prod ref
--  turn avail ind = 0
update mfr_accept_part set avail_ind = '0'
where part_id in (select part_id from #temp1) and mfr_id = @lPipelineMfr and
src_mfr_id = @lSrcMfr
```

```
        -- delete rows from dflt avail part and member prod ref tables
        -- if this src mfr is the only source for these parts
        delete from memb_prod_ref where part_id in (select part_id from #temp1) and
mfr_id = @lPipelineMfr

        --delete rows from org avail part and org prod ref tables
        -- these parts have only one source as already determined and the source is
terminating the pipeline
        delete from org_prod_ref where part_id in (select part_id from #temp1)

        -- now loop thru each of the orgs which are pipelines as selected earlier
into #temp2
        -- and recursively call this procedure to undo all the pipeline orgs

        declare pipe_org cursor  for select org_id , part_id from #temp2
        open pipe_org
        fetch next from pipe_org into @lLocalOrg , @lLocalPart

        while @@fetch_status  = 0
        begin
                exec sp_pipeline_org_product_remove @lLocalOrg ,  -1 , -1 ,
@lLocalPart
                fetch next from pipe_org into @lLocalOrg, @lLocalpart
        end

        close pipe_org
        deallocate pipe_org

GO

SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

GRANT  EXECUTE  ON [dbo].[sp_pipeline_org_product_remove]  TO [public]
GO
```

```
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO

if exists (select * from sysobjects where id =
object_id(N'[dbo].[sp_pipeline_org_remove]') and OBJECTPROPERTY(id, N'IsProcedure')
= 1)
drop procedure [dbo].[sp_pipeline_org_remove]
GO

/*
* sp_pipeline_org_remove
* this procedure will unsubscribe a pipeline org from a pipeline mfr
* it will recursively call itself to remove all depedent pipelines also
* uday jan 31 2000
*/

CREATE PROCEDURE sp_pipeline_org_remove ( @lPipelineOrg int, @lDel int = 1 ) as

declare @lSrcMfr integer
declare @lPipelineMfr integer
declare @lOrg integer

-- get mfr IDs for src and pipeline
select @lSrcMfr = mfr_id from org where org_id = @lPipelineOrg
select @lPipelineMfr = pl_mfr_id from org where org_id = @lPipelineOrg

-- check for pipeline mfr
if ( @lPipelineMfr is null or @lPipeLineMfr <= 0 )
begin
        return
end

-- select all the parts in mfr accept part table with this src mfr as the only
source. this is needed for cascading the pipeline deletes
select distinct part_id into #temp1 from mfr_accept_part
where mfr_id = @lPipelineMfr and src_mfr_id = @lSrcMfr
and part_id not in ( select distinct part_id from mfr_accept_part
where mfr_id = @lPipelineMfr and src_mfr_id <> @lSrcMfr and accept_ind = '1' )

-- get all pipeline orgs where these parts are pipelines to
select distinct org_prod_ref.org_id, part_id into #temp2 from org_prod_ref,  org
where org.org_id = org_prod_ref.org_id
and org.pl_ind = '1' and part_id in (select part_id from #temp1)

-- set all parts for this pl mfr ID avail ind = 0  and delete all rows from mfr
accept prod ref
-- if @Del = 1 , then delete rows from mfr_accept_part - this is true unsubscribe,
else, turn avail ind = 0
if @lDel = 1
        begin
                update mfr_accept_part set avail_ind = '0' where mfr_id =
@lPipelineMfr and src_mfr_id = @lSrcMfr
        end
else
        begin
                delete from  mfr_accept_part where mfr_id = @lPipelineMfr and
src_mfr_id = @lSrcMfr
        end
delete from mfr_accept_prod_ref where mfr_id = @lPipelineMfr and src_mfr_id =
@lSrcMfr

-- delete rows from dflt avail part and member prod ref tables
-- if this src mfr is the only source for these parts
```

```
if @lDel = 1
        begin
                delete from dflt_avail_part where part_id in (select part_id from
#temp1) and mfr_id = @lPipelineMfr
        end
delete from memb_prod_ref where part_id in (select part_id from #temp1) and mfr_id =
@lPipelineMfr

--delete rows from org_avail part and org prod ref tables
-- these parts have only one source as already determined and the source is
terminating the pipeline
if @lDel = 1
        begin
                delete from org_avail_part where part_id in (select part_id from
#temp1)
        end
delete from org_prod_ref where part_id in (select part_id from #temp1)

-- now loop thru each of the orgs which are pipelines as selected earlier into
#temp2
-- and recursively call this procedure to undo all the pipeline orgs

declare pipe_org cursor  for select org_id from #temp2
open pipe_org
fetch next from pipe_org into @lOrg

while @@fetch_status  = 0
begin
        exec sp_pipeline_org_remove  @lOrg, 0
        fetch next from pipe_org into @lOrg
end

close pipe_org
deallocate pipe_org

GO
SET QUOTED_IDENTIFIER  OFF    SET ANSI_NULLS  ON
GO


GRANT  EXECUTE  ON [dbo].[sp_pipeline_org_remove]  TO [public]
GO
```

update_avail_tbls.sql

```
if exists (select * from sysobjects
           where name = "sp_mfr_accept_part_update_test"
            and type = "p")
    drop procedure sp_mfr_accept_part_update_test
go

create procedure sp_mfr_accept_part_update_test ( @mfr_id int, @src_mfr_id int ,
@add_flag varchar,

        @prod_ind varchar(2), @prod_string varchar(2000) )
as

--uday 8/25/00 mfr accept part update accepting and un aceepting parts - batch
process to handle all mfrs affected in one batch
-- also does member, org avilability
-- and tri state codes and pricing for all parts affected
declare @int_continue integer
declare @int_level integer
declare @iCounter integer
declare @SQLstring nvarchar(2000)

--drop table #pl_mfr_temp

select @int_continue = 1
select @int_level = 0
if @add_flag <> '1' select @add_flag = '0'

/**** create temp table *****/
CREATE TABLE #pl_mfr_temp(
        temp_id int identity(1,1),
        mfr_id int NOT NULL ,
        src_mfr_id int NOT NULL,
        org_id int NOT NULL,
        pl_level int
)
insert into #pl_mfr_temp values ( @mfr_id ,  @src_mfr_id , '0', @int_level)

--drop table #mfr_parts
CREATE TABLE #mfr_parts(
        part_id int NOT NULL ,
        prod_line_id int NOT NULL,
        commodity_id int,
        add_flag int
        )

select @SQLstring = " insert into #mfr_parts "
select @SQLstring = @SQLstring + " select distinct
part_id,prod_line_id,commodity_id, " + @add_flag
select @SQLstring = @SQLstring + " from mfr_accept_part "
select @SQLstring = @SQLstring + " where mfr_id = " + cast(@mfr_id as nvarchar)
select @SQLstring = @SQLstring + " and src_mfr_id = " + cast(@src_mfr_id as
nvarchar)
--select @SQLstring = @SQLstring + " and part_id not in ( "
--select @SQLstring = @SQLstring + " select part_id from mfr_accept_part "
--select @SQLstring = @SQLstring + " where mfr_id = " + cast(@mfr_id as nvarchar)
--select @SQLstring = @SQLstring + " and src_mfr_id <> " + cast(@src_mfr_id as
nvarchar)
--select @SQLstring = @SQLstring + " and accept_ind = '1' and avail_ind = '1') "
if @prod_ind = 'P'
begin
select @SQLstring = @SQLstring + " and part_id in ( " + @prod_string + " ) "
end
```

```
if @prod_ind = 'C'
begin
select @SQLstring = @SQLstring + " and commodity_id in ( " + @prod_string + " ) "
end
if @prod_ind = 'L'
begin
select @SQLstring = @SQLstring + " and prod_line_id in ( " + @prod_string + " ) "
end
execute sp_executesql @SQLstring

--drop table #mfr_parts_add
CREATE TABLE #mfr_parts_add(
        mfr_id int NOT NULL,
        src_mfr_id  int NOT NULL,
        part_id int NOT NULL ,
        prod_line_id int NOT NULL,
        commodity_id int,
        another_src int default 0
)

while @int_continue = 1
begin
  select @int_level = @int_level + 1
  begin
   insert into #pl_mfr_temp select distinct a.pl_mfr_id,a.mfr_id,a.org_id,@int_level
     from org a,
          #pl_mfr_temp b
     where a.mfr_id= b.mfr_id
       and a.pl_ind = 1
       and a.pl_mfr_id is not null
       and @int_level-1= b.pl_level
      and not exists(select 'x' from #pl_mfr_temp c
                     where a.pl_mfr_id = c.mfr_id
                       and a.mfr_id = c.src_mfr_id)

   select @int_continue = count(*)
     from org c,
         #pl_mfr_temp d
     where c.mfr_id= d.mfr_id
       and c.pl_ind = 1
       and @int_level-1= d.pl_level
  end

  if @int_continue > 0
    begin
      select @int_continue = 1
    end
  else
    begin
     select @int_continue = 0
    end
end

insert into #mfr_parts_add
select
  a.mfr_id,
  a.src_mfr_id,
  b.part_id,
  b.prod_line_id,
  b.commodity_id,
  0
from #pl_mfr_temp a,
     #mfr_parts b,
```

```
     org_avail_part c
where a.org_id = c.org_id
  and b.part_id = c.part_id
  and a.pl_level > 0

--add  0 level parts so that all processing can be done together
insert into #mfr_parts_add select @mfr_id, @src_mfr_id, part_id, prod_line_id,
commodity_id , 0 from #mfr_parts

--update another_src field based on whether the part has another valid src other
than the one we are checking for
update #mfr_parts_add set another_src = 1
        from mfr_accept_part p
        where #mfr_parts_add.mfr_id = p.mfr_id
        and #mfr_parts_add.src_mfr_id <> p.src_mfr_id
        and #mfr_parts_add.part_id = p.part_id
        and p.accept_ind = '1'
        and p.avail_ind = '1'

update mfr_accept_part set accept_ind = @add_flag
                from #pl_mfr_temp t , #mfr_parts_add b
                where b.mfr_id = mfr_accept_part.mfr_id
                and b.part_id = mfr_accept_part.part_id
                and b.prod_line_id = mfr_accept_part.prod_line_id
                and mfr_accept_part.src_mfr_id = t.src_mfr_id
                and t.mfr_id = b.mfr_id
                and t.pl_level = 0

update mfr_accept_part set avail_ind = @add_flag
                from #pl_mfr_temp t, #mfr_parts_add b
                where b.mfr_id = mfr_accept_part.mfr_id
                and b.part_id = mfr_accept_part.part_id
                and b.prod_line_id = mfr_accept_part.prod_line_id
                and b.src_mfr_id = mfr_accept_part.src_mfr_id
                and t.mfr_id = b.mfr_id
                and t.src_mfr_id = b.src_mfr_id
                and t.pl_level > 0

-- set up ref table for mfr accept part table
if @add_flag = '1'
begin
insert mfr_accept_prod_ref
        ( mfr_id, src_mfr_id, prod_line_id, commodity_id, part_id,
        mfr_ts_cd, prod_line_ts_cd, comm_ts_cd,
        accept_ind, dflt_src_ind, avail_ind, src_price)
        select distinct @mfr_id, @src_mfr_id, prod_line_id, commodity_id, part_id,
        0, 0, 0,
        1, 0, 1, 0
        from #mfr_parts
end
else
begin
delete from mfr_accept_prod_ref
        where part_id in (select part_id from #mfr_parts)
        and mfr_id = @mfr_id
        and src_mfr_id = @src_mfr_id
end


--set up ref tables for all other levels
update mfr_accept_part set avail_ind = @add_flag
        from #pl_mfr_temp p , #mfr_parts_add m
        where p.mfr_id = m.mfr_id
```

```
        and p.src_mfr_id = m.src_mfr_id
        and mfr_accept_part.mfr_id = m.mfr_id
        and mfr_accept_part.src_mfr_id = m.src_mfr_id
        and mfr_accept_part.part_id = m.part_id
        and p.pl_level > 0

if @add_flag = '1'
begin
        insert mfr_accept_prod_ref
        ( mfr_id, src_mfr_id, prod_line_id, commodity_id, part_id,
        mfr_ts_cd, prod_line_ts_cd, comm_ts_cd,
        accept_ind, dflt_src_ind, avail_ind, src_price)
        select m.mfr_id, m.src_mfr_id, m.prod_line_id, m.commodity_id, m.part_id,
        0, 0, 0,
        a.accept_ind , 0, 1, 0
        from #mfr_parts_add m , #pl_mfr_temp p, mfr_accept_part a
        where p.mfr_id = m.mfr_id
        and p.src_mfr_id = m.src_mfr_id
        and m.mfr_id = a.mfr_id
        and m.src_mfr_id = a.src_mfr_id
        and m.part_id = a.part_id
        and p.pl_level > 0
end
else
begin
        delete mfr_accept_prod_ref from mfr_accept_prod_ref
        inner join #mfr_parts_add on (#mfr_parts_add.mfr_id =
mfr_accept_prod_ref.mfr_id
                                                        and
#mfr_parts_add.src_mfr_id = mfr_accept_prod_ref.src_mfr_id
                                                        and
#mfr_parts_add.part_id = mfr_accept_prod_ref.part_id)
        inner join #pl_mfr_temp on (#pl_mfr_temp.mfr_id = mfr_accept_prod_ref.mfr_id
                                                        and
#pl_mfr_temp.src_mfr_id = mfr_accept_prod_ref.src_mfr_id)
        where #pl_mfr_temp.pl_level > 0
end

-- set up ref table for memb part table for 0 level mfr
delete memb_prod_ref from memb_prod_ref
        inner join #mfr_parts_add on #mfr_parts_add.mfr_id = memb_prod_ref.mfr_id
        and #mfr_parts_add.part_id = memb_prod_ref.part_id
        and #mfr_parts_add.commodity_id = memb_prod_ref.commodity_id
        and #mfr_parts_add.prod_line_id = memb_prod_ref.prod_line_id
        and #mfr_parts_add.another_src = 0

if @add_flag = '1'
begin
--level > 0
        insert memb_prod_ref ( mfr_id, part_id, prod_line_id, commodity_id,
prod_line_ts_cd, comm_ts_cd ,
                        list_price, sale_price, final_price, disc_ind)
        select distinct m.mfr_id, m.part_id, m.prod_line_id, m.commodity_id, 0, 0,
                        0, 0, 0, '0'
        from #mfr_parts_add m , dflt_avail_part d
        where m.mfr_id = d.mfr_id
        and m.part_id = d.part_id
        and m.commodity_id = d.commodity_id
        and m.prod_line_id = d.prod_line_id
        and m.another_src = 0
end

--set up org prod ref tables
```

```
delete org_prod_ref from org_prod_ref
        inner join org on org.org_id = org_prod_ref.org_id
        inner join #mfr_parts_add on #mfr_parts_add.part_id = org_prod_ref.part_id
        and #mfr_parts_add.commodity_id = org_prod_ref.commodity_id
        and #mfr_parts_add.prod_line_id = org_prod_ref.prod_line_id
        where org.mfr_id = #mfr_parts_add.mfr_id
        and #mfr_parts_add.another_src = 0
if @add_flag = '1'
begin
insert org_prod_ref ( org_id, part_id, prod_line_id, commodity_id, prod_line_ts_cd,
comm_ts_cd ,
                        list_price, sale_price, final_price, disc_ind )
        select distinct op.org_id, m.part_id, m.prod_line_id, m.commodity_id, 0, 0,
                        0, 0, 0, '0'
        from #mfr_parts_add m , org_avail_part op, org o
        where m.mfr_id = o.mfr_id
        and op.org_id = o.org_id
        and op.part_id = m.part_id
        and op.commodity_id = m.commodity_id
        and op.prod_line_id = m.prod_line_id
        and m.another_src = 0
end

-- set up tri states for mfr, memb and org table

select @iCounter = 1
while @iCounter <= (select count(*) from #pl_mfr_temp)
        begin
                select @mfr_id = mfr_id, @src_mfr_id = src_mfr_id
                from #pl_mfr_temp
                where temp_id = @iCounter
                select @iCounter = @iCounter + 1
                exec sp_mfr_accept_tri_state_test @mfr_id, @src_mfr_id
                exec sp_dflt_tri_state_test @mfr_id
                exec sp_org_tri_state_test @mfr_id
        end

-- run price calcs for all the parts in the mfr_parts_add table
if @add_flag = '1'
begin
        exec sp_mfr_price_calc_test
        exec sp_mfr_dflt_price_calc_test
end

go
grant execute on sp_mfr_accept_part_update_test to public
go
```

update_org_avail.sql

```
if exists (select * from sysobjects
           where name = "sp_org_avail_part_test"
             and type = "p")
    drop procedure sp_org_avail_part_test
go

create procedure sp_org_avail_part_test ( @mfr_id int, @org_id int , @add_flag
varchar,

        @prod_ind varchar(2), @prod_string varchar(2000) )
as

--uday 9/6/00 org avail parts adding and deleting parts - batch process to handle
all mfrs affected in one batch
-- also does member, org avilability
-- and tri state codes and pricing for all parts affected
declare @int_continue integer
declare @int_level integer
declare @iCounter integer
declare @SQLstring nvarchar(2000)
declare @src_mfr_id integer

select @int_continue = 1
select @int_level = 0
if @add_flag <> '1' select @add_flag = '0'
--set src mfr as 0 - this does not matter since no src related stuff for the
original org is affected in any way
select @src_mfr_id = 0

/**** create temp table *****/
CREATE TABLE #pl_mfr_temp(
        temp_id int identity(1,1),
        mfr_id int NOT NULL ,
        src_mfr_id int NOT NULL,
        org_id int NOT NULL,
        pl_level int)

insert into #pl_mfr_temp values ( @mfr_id ,  @src_mfr_id , 0 , @int_level)

--drop table #mfr_parts
CREATE TABLE #mfr_parts(
        part_id int NOT NULL ,
        prod_line_id int NOT NULL,
        commodity_id int,
        add_flag int
        )

select @SQLstring = " insert into #mfr_parts "
select @SQLstring = @SQLstring + " select distinct
part_id,prod_line_id,commodity_id, " + @add_flag
select @SQLstring = @SQLstring + " from mfr_accept_part "
select @SQLstring = @SQLstring + " where mfr_id = " + cast(@mfr_id as nvarchar)
select @SQLstring = @SQLstring + " and src_mfr_id = " + cast(@src_mfr_id as
nvarchar)
--select @SQLstring = @SQLstring + " and part_id not in ( "
--select @SQLstring = @SQLstring + " select part_id from mfr_accept_part "
--select @SQLstring = @SQLstring + " where mfr_id = " + cast(@mfr_id as nvarchar)
--select @SQLstring = @SQLstring + " and src_mfr_id <> " + cast(@src_mfr_id as
nvarchar)
--select @SQLstring = @SQLstring + " and accept_ind = '1' and avail_ind = '1') "
if @prod_ind = 'P'
begin
```

```
select @SQLstring = @SQLstring + " and part_id in ( " + @prod_string + " ) "
end
if @prod_ind = 'C'
begin
select @SQLstring = @SQLstring + " and commodity_id in ( " + @prod_string + " ) "
end
if @prod_ind = 'L'
begin
select @SQLstring = @SQLstring + " and prod_line_id in ( " + @prod_string + " ) "
end
execute sp_executesql @SQLstring

--set up ref table for 0 level for org only, the deletes are after mfr_parts_add
table is populated
if @add_flag = '1'
begin
        insert into org_avail_part
        select @org_id, part_id, commodity_id, prod_line_id , getdate()
        from #mfr_parts
        insert into org_prod_ref
        select @org_id, part_id, prod_line_id, commodity_id, 0, 0, 0, 0, 0, 0, 0, 0,
null, null, null, null, null, null
        from #mfr_parts
end

--drop table #mfr_parts_add
CREATE TABLE #mfr_parts_add(
        mfr_id int NOT NULL,
        src_mfr_id  int NOT NULL,
        part_id int NOT NULL ,
        prod_line_id int NOT NULL,
        commodity_id int,
        another_src int default 0
)

while @int_continue = 1
begin
  select @int_level = @int_level + 1
  begin
   insert into #pl_mfr_temp select distinct a.pl_mfr_id,a.mfr_id,a.org_id,@int_level
     from org a,
          #pl_mfr_temp b
     where a.mfr_id= b.mfr_id
       and a.pl_ind = 1
       and a.pl_mfr_id is not null
       and @int_level-1= b.pl_level
      and not exists(select 'x' from #pl_mfr_temp c
                     where a.pl_mfr_id = c.mfr_id
                       and a.mfr_id = c.src_mfr_id)

   select @int_continue = count(*)
     from org c,
         #pl_mfr_temp d
     where c.mfr_id= d.mfr_id
       and c.pl_ind = 1
       and @int_level-1= d.pl_level
        -- for orgs, if level = 1 then only 1 org supplied to this SP has to be in
the list
        if @int_level = 1
        begin
                delete from #pl_mfr_temp where org_id <> @org_id and pl_level = 1
        end
  end
```

```
  if @int_continue > 0
    begin
      select @int_continue = 1
    end
  else
    begin
     select @int_continue = 0
    end
end

insert into #mfr_parts_add
select
  a.mfr_id,
  a.src_mfr_id,
  b.part_id,
  b.prod_line_id,
  b.commodity_id,
  0
from #pl_mfr_temp a,
     #mfr_parts b,
     org_avail_part c
where a.org_id = c.org_id
  and b.part_id = c.part_id
  and a.pl_level > 0

--add  0 level parts so that all processing can be done together
--insert into #mfr_parts_add select @mfr_id, @src_mfr_id, part_id, prod_line_id,
commodity_id , 0 from #mfr_parts

--update another_src field based on whether the part has another valid src other
than the one we are checking for
update #mfr_parts_add set another_src = 1
        from mfr_accept_part p
        where #mfr_parts_add.mfr_id = p.mfr_id
        and #mfr_parts_add.src_mfr_id <> p.src_mfr_id
        and #mfr_parts_add.part_id = p.part_id
        and p.accept_ind = '1'
        and p.avail_ind = '1'

if @add_flag = '0'
begin
        delete org_prod_ref from org_prod_ref
        inner join #mfr_parts on #mfr_parts.part_id = org_prod_ref.part_id
        and #mfr_parts.commodity_id = org_prod_ref.commodity_id
        and #mfr_parts.prod_line_id = org_prod_ref.prod_line_id
        and org_prod_ref.org_id = @org_id
        delete org_avail_part from org_avail_part
        inner join #mfr_parts on #mfr_parts.part_id = org_avail_part.part_id
        and #mfr_parts.commodity_id = org_avail_part.commodity_id
        and #mfr_parts.prod_line_id = org_avail_part.prod_line_id
        and org_avail_part.org_id = @org_id
end

/* - no accept table update for org details
update mfr_accept_part set accept_ind = @add_flag
                from #pl_mfr_temp t , #mfr_parts_add b
                where b.mfr_id = mfr_accept_part.mfr_id
                and b.part_id = mfr_accept_part.part_id
                and b.prod_line_id = mfr_accept_part.prod_line_id
                and mfr_accept_part.src_mfr_id = t.src_mfr_id
                and t.mfr_id = b.mfr_id
                and t.pl_level = 0
```

```
update mfr_accept_part set avail_ind = @add_flag
                from #pl_mfr_temp t, #mfr_parts_add b
                where b.mfr_id = mfr_accept_part.mfr_id
                and b.part_id = mfr_accept_part.part_id
                and b.prod_line_id = mfr_accept_part.prod_line_id
                and b.src_mfr_id = mfr_accept_part.src_mfr_id
                and t.mfr_id = b.mfr_id
                and t.src_mfr_id = b.src_mfr_id
                and t.pl_level > 0


-- set up ref table for mfr accept part table
if @add_flag = '1'
begin
insert mfr_accept_prod_ref
        ( mfr_id, src_mfr_id, prod_line_id, commodity_id, part_id,
        mfr_ts_cd, prod_line_ts_cd, comm_ts_cd,
        accept_ind, dflt_src_ind, avail_ind, src_price)
        select distinct @mfr_id, @src_mfr_id, prod_line_id, commodity_id, part_id,
        0, 0, 0,
        1, 0, 1, 0
        from #mfr_parts
end
else
begin
delete from mfr_accept_prod_ref
        where part_id in (select part_id from #mfr_parts)
        and mfr_id = @mfr_id
        and src_mfr_id = @src_mfr_id
end
*/

--set up ref tables for all other levels
update mfr_accept_part set avail_ind = @add_flag
        from #pl_mfr_temp p , #mfr_parts_add m
        where p.mfr_id = m.mfr_id
        and p.src_mfr_id = m.src_mfr_id
        and mfr_accept_part.mfr_id = m.mfr_id
        and mfr_accept_part.src_mfr_id = m.src_mfr_id
        and mfr_accept_part.part_id = m.part_id
        and p.pl_level > 0
if @add_flag = '1'
begin
        insert mfr_accept_prod_ref
        ( mfr_id, src_mfr_id, prod_line_id, commodity_id, part_id,
        mfr_ts_cd, prod_line_ts_cd, comm_ts_cd,
        accept_ind, dflt_src_ind, avail_ind, src_price)
        select m.mfr_id, m.src_mfr_id, m.prod_line_id, m.commodity_id, m.part_id,
        0, 0, 0,
        a.accept_ind , 0, 1, 0
        from #mfr_parts_add m , #pl_mfr_temp p, mfr_accept_part a
        where p.mfr_id = m.mfr_id
        and p.src_mfr_id = m.src_mfr_id
        and m.mfr_id = a.mfr_id
        and m.src_mfr_id = a.src_mfr_id
        and m.part_id = a.part_id
        and p.pl_level > 0
end
else
begin
        delete mfr_accept_prod_ref from mfr_accept_prod_ref
        inner join #mfr_parts_add on (#mfr_parts_add.mfr_id =
```

```
mfr_accept_prod_ref.mfr_id
                                                                and
#mfr_parts_add.src_mfr_id = mfr_accept_prod_ref.src_mfr_id
                                                                and
#mfr_parts_add.part_id = mfr_accept_prod_ref.part_id)
        inner join #pl_mfr_temp on (#pl_mfr_temp.mfr_id = mfr_accept_prod_ref.mfr_id
                                                                and
#pl_mfr_temp.src_mfr_id = mfr_accept_prod_ref.src_mfr_id)
        where #pl_mfr_temp.pl_level > 0
end

-- set up ref table for memb part table for 0 level mfr
delete memb_prod_ref from memb_prod_ref
        inner join #mfr_parts_add on #mfr_parts_add.mfr_id = memb_prod_ref.mfr_id
        and #mfr_parts_add.part_id = memb_prod_ref.part_id
        and #mfr_parts_add.commodity_id = memb_prod_ref.commodity_id
        and #mfr_parts_add.prod_line_id = memb_prod_ref.prod_line_id
        and #mfr_parts_add.another_src = 0
if @add_flag = '1'
begin
--level > 0
        insert memb_prod_ref ( mfr_id, part_id, prod_line_id, commodity_id,
prod_line_ts_cd, comm_ts_cd ,
                        list_price, sale_price, final_price, disc_ind)
        select distinct m.mfr_id, m.part_id, m.prod_line_id, m.commodity_id, 0, 0,
                        0, 0, 0, '0'
        from #mfr_parts_add m , dflt_avail_part d
        where m.mfr_id = d.mfr_id
        and m.part_id = d.part_id
        and m.commodity_id = d.commodity_id
        and m.prod_line_id = d.prod_line_id
        and m.another_src = 0
end

--set up org prod ref tables
delete org_prod_ref from org_prod_ref
        inner join org on org.org_id = org_prod_ref.org_id
        inner join #mfr_parts_add on #mfr_parts_add.part_id = org_prod_ref.part_id
        and #mfr_parts_add.commodity_id = org_prod_ref.commodity_id
        and #mfr_parts_add.prod_line_id = org_prod_ref.prod_line_id
        where org.mfr_id = #mfr_parts_add.mfr_id
        and #mfr_parts_add.another_src = 0
if @add_flag = '1'
begin
insert org_prod_ref ( org_id, part_id, prod_line_id, commodity_id, prod_line_ts_cd,
comm_ts_cd ,
                        list_price, sale_price, final_price, disc_ind )
        select distinct op.org_id, m.part_id, m.prod_line_id, m.commodity_id, 0, 0,
                        0, 0, 0, '0'
        from #mfr_parts_add m , org_avail_part op, org o
        where m.mfr_id = o.mfr_id
        and op.org_id = o.org_id
        and op.part_id = m.part_id
        and op.commodity_id = m.commodity_id
        and op.prod_line_id = m.prod_line_id
        and m.another_src = 0
end

-- set up tri states for mfr, memb and org table
exec sp_org_tri_state_test @mfr_id
select @iCounter = 1
while @iCounter <= (select count(*) from #pl_mfr_temp)
        begin
```

```
                select @mfr_id = mfr_id, @src_mfr_id = src_mfr_id
                from #pl_mfr_temp
                where temp_id = @iCounter
                select @iCounter = @iCounter + 1
                exec sp_mfr_accept_tri_state_test @mfr_id, @src_mfr_id
                exec sp_dflt_tri_state_test @mfr_id
                exec sp_org_tri_state_test @mfr_id
        end

-- run price calcs for all the parts in the mfr_parts_add table
if @add_flag = '1'
begin
        exec sp_mfr_price_calc_test
        exec sp_mfr_dflt_price_calc_test
end

go
grant execute on sp_org_avail_part_test to public
go
```

```
VERSION 1.0 CLASS
BEGIN
  MultiUse = -1  'True
  Persistable = 0  'NotPersistable
  DataBindingBehavior = 0  'vbNone
  DataSourceBehavior  = 0  'vbNone
  MTSTransactionMode  = 2  'RequiresTransaction
END
Attribute VB_Name = "BOrg"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = True
Attribute VB_PredeclaredId = False
Attribute VB_Exposed = True
Option Explicit
Option Base 0
'=====================================================
' this function adds an Organization for a mfr
' takes mfr ID and Org table columns as arguments
' returns a record set with Org details
'=====================================================
' business function controls transaction for adding an org
Public Function AddOrg( _
        ByVal alManfID As Long, ByVal asOrgName As String, ByVal asPipelineInd As
String, _
        ByVal alPipelineID As Long, ByVal asPipelineSubscriptionCd As String, _
        ByVal asDescription As String, ByVal asAddr1 As String, ByVal asAddr2 As
String, _
        ByVal asCity As String, ByVal asState As String, ByVal asPostalCode As
String, _
        ByVal asCountry As String, ByVal asPhone As String, ByVal asFax As String,
ByVal asEmailAddr As String, _
        ByVal asWebDiscountIndicator As String, ByVal asDefaultShipCostIndicator As
String, _
        ByVal asAltImagesIndicator As String) _
        As ADODB.Recordset

    On Error GoTo AddOrgErr

    Dim lOrgID As Long
    Dim oSeq As DawnSeq.BSequence
    Dim oOrg As DawnOrg.DBOrg
    Dim sCheckOrg As String
    Dim lRow As Long
    Dim sSelect As String
    Dim oRs As ADODB.Recordset

    'check org name nulls
    If IsEmpty(asOrgName) Or IsNull(asOrgName) Then
        RaiseResError DawnOrgErrors.ecOrgNameNotValid, TypeName(Me), "AddOrg"
    End If

    'check to make sure Org name is unique
    sSelect = "SELECT org_id FROM org WHERE org_nme='" & GetSQLStr(asOrgName) & "'"
    sSelect = sSelect & " AND active_ind = '1' AND mfr_id = " & CStr(alManfID)
    Set oRs = GetSQLRecordset(sSelect)
    If Not oRs.EOF Then
        RaiseResError DawnOrgErrors.ecOrgNameNotUnique, TypeName(Me), "AddOrg"
    End If

    'get the org ID from DawnSeq component
    Set oSeq = CtxCreateObject("DawnSeq.BSequence")
    lOrgID = oSeq.GetNextInSequence("org")  'no error check - dawnseq will raise
error is necessaary
```

```
    Set oSeq = Nothing

    'check the pipeline indicator and generate a subscription code if necessary.
    If asPipelineInd = "1" Then
        asPipelineSubscriptionCd = Crypt("E", "THEROCK", CStr(lOrgID)) &
CStr(lOrgID)
    End If

    'start DB component and call addorg function
    Set oOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oOrg.AddOrg( _
                alManfID, lOrgID, asOrgName, asPipelineInd, alPipelineID, _
                asPipelineSubscriptionCd, asDescription, asAddr1, asAddr2, asCity, _
                asState, asPostalCode, asCountry, asPhone, asFax, asEmailAddr,
asWebDiscountIndicator, _
                asDefaultShipCostIndicator, asAltImagesIndicator)

    'check rows affected - ie if row was inserted
    If lRow <> 1 Then
        RaiseResError DawnOrgErrors.ecAddOrgFailed, TypeName(Me), "AddOrg"
    End If

    'get an RS for the same data
    Set AddOrg = oOrg.GetOrgByID(lOrgID)

    'end trans
    CtxSetComplete

    'cleanup
    Set oOrg = Nothing
    Set oSeq = Nothing
    Set oRs = Nothing
    Exit Function

    'error handling
AddOrgErr:
    CtxSetAbort
    Set oOrg = Nothing
    Set oSeq = Nothing
    Set oRs = Nothing
    RaiseError TypeName(Me), "AddOrg"

End Function

'=================================================
'This function adds an address to an Org
'INPUTS: all shipping columns
'RETURNS: Recordset = specific address details
'=================================================
Public Function AddShipToAddress(ByVal alOrgID As Long, ByVal asAddr1 As String,
ByVal asAddr2 As String, _
                    ByVal asCity As String, ByVal alState As Long, ByVal asZip As
String, ByVal alCountry As Long) _
                    As ADODB.Recordset
On Error GoTo ErrHandler

'    'var
'    Dim oDBShip As DawnOrg.DBShipToAddr
'    Dim oSeq As DawnSeq.BSequence
'    Dim lShipID As Long
'    Dim lRow As Long
'
'    'get sequence for ship ID
```

```
'    Set oSeq = CtxCreateObject("DawnSeq.BSequence")
'    lShipID = oSeq.GetNextInSequence("address")
'    Set oSeq = Nothing
'
'    'build business component and call add function
'    Set oDBShip = CtxCreateObject("DawnOrg.DBShipToAddr")
'    lRow = oDBShip.AddShipToAddress(alOrgID, lShipID, asAddr1, asAddr2, _
'                                                        asCity, alState, asZip,
alCountry)
'
'    'check to make sure the add worked - rows affected
'    If lRow <> 1 Then
'        RaiseResError DawnOrgErrors.ecAddShipAddressFailed, TypeName(Me),
"AddShipToAddress"
'    End If
'
'    'get RS and end trans
'    Set AddShipToAddress = oDBShip.GetShipToAddress(alOrgID, lShipID)
'    CtxSetComplete
'    Set oDBShip = Nothing
'    Set oSeq = Nothing
    Exit Function

    'error
ErrHandler:
    CtxSetAbort
'    Set oDBShip = Nothing
'    Set oSeq = Nothing
'    RaiseError TypeName(Me), "AddShipToAddress"

End Function

'=====================================================
'This function updates an address to an Org
'INPUTS: all shipping columns
'RETURNS: Recordset = specific address details
'=====================================================
Public Function UpdateShipToAddress( _
        ByVal alOrgID As Long, ByVal alShipID As Long, ByVal asAddr1 As String,
ByVal asAddr2 As String, _
        ByVal asCity As String, ByVal alState As Long, ByVal asZip As String, ByVal
alCountry As Long, _
        ByVal adMaintDate As Date) As ADODB.Recordset
On Error GoTo ErrHandler

'    'var
'    Dim oDBShip As DawnOrg.DBShipToAddr
'    Dim lRow As Long
'
'
'    'build business component and call add function
'    Set oDBShip = CtxCreateObject("DawnOrg.DBShipToAddr")
'    lRow = oDBShip.UpdateShipToAddress(alOrgID, alShipID, asAddr1, asAddr2, _
'                                                        asCity, alState, asZip,
alCountry, adMaintDate)
'
'    'check to make sure the add worked - rows affected
'    If lRow <> 1 Then
'        RaiseResError DawnOrgErrors.ecUpdateShipAddressFailed, TypeName(Me),
"UpdateShipToAddress"
'    End If
'
'    'get RS and end trans
```

```
'    Set UpdateShipToAddress = oDBShip.GetShipToAddress(alOrgID, alShipID)
'    CtxSetComplete
'    Set oDBShip = Nothing
    Exit Function

    'error
ErrHandler:
'    CtxSetAbort
'    Set oDBShip = Nothing
'    RaiseError TypeName(Me), "UpdateShipToAddress"

End Function

'=================================================
'This function deletes an address for an Org
'INPUTS: org ID , ship ID and maintenance date
'RETURNS: none
'=================================================
Public Sub DeleteShipToAddress(ByVal alOrgID As Long, ByVal alShipID As Long, _
                                                        ByVal adMaintDate As Date)
On Error GoTo ErrHandler

'    'var
'    Dim oDBShip As DawnOrg.DBShipToAddr
'    Dim oDBOrg As DawnOrg.DBOrg
'    Dim lRow As Long
'    Dim sUpdate As String
'    Dim lNull As Long
'    Dim dMaintDate As Date
''     Dim oRS As ADODB.Recordset
'    Dim lPrefShipID As Long
'
'    'build business component and call add function
'    Set oDBShip = CtxCreateObject("DawnOrg.DBShipToAddr")
'    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
'    lRow = oDBShip.DeleteShipToAddress(alOrgID, alShipID, adMaintDate)
'
'    'check to make sure the add worked - rows affected
'    If lRow <> 1 Then
'        RaiseResError DawnOrgErrors.ecDeleteShipAddressFailed, TypeName(Me),
"DeleteShipToAddress"
'    End If

    'make sure this id is removed from the ORG table if this is the preferred
address
'    Set oRS = oDBOrg.GetOrgByID(alOrgID)
'    dMaintDate = oRS("last_maint_dtm")
'    lPrefShipID = oRS("pref_ship_to_addr_id")
'    If lPrefShipID = alShipID Then
'            sUpdate = "UPDATE org SET pref_ship_to_addr_id=null" & _
'                      " , last_maint_dtm=" & GetSQLDate(Now) & _
'                      " WHERE org_id=" & CStr(alOrgID) & _
'                      " AND last_maint_dtm=" & GetSQLDate('dMaintDate)
'            'update org and check for errors
'            lRow = RunSQL(sUpdate)
'            If lRow <> 1 Then
'                RaiseResError DawnOrgErrors.ecShipToaddressNotRemoved,
TypeName(Me), "DeleteShipToAddress"
'            End If
'    End If

'    'get RS and end trans
'    CtxSetComplete
```

```
'    Set oDBShip = Nothing
'    Set oDBOrg = Nothing
'    Set oRS = Nothing
    Exit Sub

    'error
ErrHandler:
'    CtxSetAbort
'    Set oDBShip = Nothing
'    Set oDBOrg = Nothing
'    Set oRS = Nothing
    RaiseError TypeName(Me), "DeleteShipToAddress"

End Sub

'=====================================================
'******** THIS FUNCTION SHOULD BE DELETED. **********
'This function sets the default ship to address or an organization
'INPUTS: org ID , ship ID and maintenance date for the Org - not the ship address
'RETURNS: none
'=====================================================
Public Sub SetDefaultShipToAddress(ByVal alOrgID As Long, ByVal alShipID As Long, _
                                                          ByVal adMaintDate As Date)
On Error GoTo ErrHandler

    'var
'    Dim oDBOrg As DawnOrg.DBOrg
'    Dim lRow As Long


    'build business component and call add function
'    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
'    lRow = oDBOrg.SetDefaultShipToAddress(alOrgID, alShipID, adMaintDate)

    'check to make sure the add worked - rows affected
'    If lRow <> 1 Then
'        RaiseResError DawnOrgErrors.ecSetDefaultAddressFailed, TypeName(Me),
"SetDefaultShipToAddress"
'    End If

    'get RS and end trans
    CtxSetComplete
'    Set oDBOrg = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
'    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "SetDefaultShipToAddress"

End Sub

'=====================================================
' this function updates an Organization for a mfr
' takes mfr ID and Org table columns as arguments
' returns a record set with Org details
'business function to update org, controls transaction
' 7/6/00 chrubecky - added call to sp_update_price function if the use_web_disc_ind
changes
'=====================================================
Public Function UpdOrg(ByVal alOrgID As Long, ByVal asOrgName As String, _
            ByVal asPipelineInd As String, ByVal alPipelineID As Long, _
```

```
            ByVal asPipelineSubscriptionCd As String, ByVal asDescription As String,
_
            ByVal asAddr1 As String, ByVal asAddr2 As String, _
            ByVal asCity As String, ByVal asState As String, ByVal asPostalCode As
String, _
            ByVal asCountry As String, ByVal asPhone As String, ByVal asFax As
String, _
            ByVal asEmailAddr As String, ByVal asWebDiscountIndicator As String, _
            ByVal asDefaultShipCostIndicator As String, ByVal adMaintDate As Date, _
            ByVal asAltImagesIndicator As String) As ADODB.Recordset

    On Error GoTo UpdOrgErr

    Dim oOrg As DawnOrg.DBOrg
    Dim oRs As ADODB.Recordset
    Dim lRow As Long
    Dim sSelect As String
    Dim lManfID As Long
    Dim bCallSP As Boolean
    Dim lProdLineID As Long
    Dim sSQL As String

    'check org name nulls
    If IsEmpty(asOrgName) Or IsNull(asOrgName) Then
        RaiseResError DawnOrgErrors.ecOrgNameNotValid, TypeName(Me), "UpdOrg"
    End If

    'get the mfr_id associated with this org.
    sSelect = "SELECT mfr_id, use_web_disc_ind from org where org_id = " &
CStr(alOrgID)
    Set oRs = GetSQLRecordset(sSelect)
    If Not oRs.EOF Then
        lManfID = oRs("mfr_id")
        If oRs!use_web_disc_ind <> asWebDiscountIndicator Then
            bCallSP = True
        End If
    Else
        RaiseResError DawnOrgErrors.ecManfIDNotFound, TypeName(Me), "UpdOrg"
    End If

    'check to make sure Org name is unique
    sSelect = "SELECT org_id FROM org WHERE org_nme='" & GetSQLStr(asOrgName) & "'"
& _
                    " AND org_id <> " & CStr(alOrgID) & " AND mfr_id = " &
CStr(lManfID)
    Set oRs = GetSQLRecordset(sSelect)
    If Not oRs.EOF Then
        RaiseResError DawnOrgErrors.ecOrgNameNotUnique, TypeName(Me), "UpdOrg"
    End If

    'check to see if the pl_ind is changing.
    sSelect = "SELECT pl_ind FROM org WHERE org_id = " & CStr(alOrgID) & " AND
active_ind = '1'"
    Set oRs = GetSQLRecordset(sSelect)
    If Not oRs.EOF Then
        If oRs("pl_ind") <> asPipelineInd Then
            'it's changing, check to see, based on the new value whether a
manufacturer has
            'subscribed to the pipeline or if members have been associated with it.
            If asPipelineInd = "1" Then
                'changing to pipeline org. this si not allowed if members exist for
this org.
                sSelect = "SELECT usr_id FROM member WHERE org_id = " &
```

```
CStr(alOrgID)
                Set oRs = GetSQLRecordset(sSelect)
                If Not oRs.EOF Then
                    RaiseResError DawnOrgErrors.ecMembersAssociated, TypeName(Me),
"UpdOrg"
                Else
                    'delete all org_ship_typ, org_bill_typ and org_ship_cost records
if they
                    'exist -- these do not apply to pipeline organizations.
                    Set oOrg = CtxCreateObject("DawnOrg.DBOrg")
                    Call oOrg.DeleteNonPipelineItems(alOrgID)

                    'generate a unique subscription code for the organization, if
necessary
                    If Trim(asPipelineSubscriptionCd) = "" Then
                        'generate a new subscription code.
                        asPipelineSubscriptionCd = Crypt("E", "THEROCK",
CStr(alOrgID)) & CStr(alOrgID)
                    End If

                    Set oOrg = Nothing
                End If
            ElseIf asPipelineInd = "0" Then
                'changing to user org. this is not allowed if someone has subscribed
to it.
                sSelect = "SELECT org_id, pl_mfr_id FROM org WHERE org_id = " &
CStr(alOrgID)
                Set oRs = GetSQLRecordset(sSelect)
                If Not oRs.EOF Then
                    If IsNull(oRs("pl_mfr_id")) = False And oRs("pl_mfr_id") <> 0
Then
                        RaiseResError DawnOrgErrors.ecAlreadySubscribed,
TypeName(Me), "UpdOrg"
                    End If
                End If
            End If
        End If
    Else
        RaiseResError DawnOrgErrors.ecOrgHasBeenDeleted, TypeName(Me), "UpdOrg"
    End If

    'start DB component and call updorg function
    Set oOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oOrg.UpdOrg( _
        alOrgID, asOrgName, asPipelineInd, alPipelineID, asPipelineSubscriptionCd, _
        asDescription, asAddr1, asAddr2, asCity, asState, asPostalCode, asCountry, _
        asPhone, asFax, asEmailAddr, asWebDiscountIndicator,
asDefaultShipCostIndicator, _
        adMaintDate, asAltImagesIndicator)

    'check if the update succeeded - ie rows affected
    If lRow <> 1 Then
        RaiseResError DawnOrgErrors.ecUpdateOrgFailed, TypeName(Me), "UpdOrg"
    End If

    'call the sp_update_price procedure to update prices if the web disc ind has
changed.
    If bCallSP = True Then
        sSQL = "SELECT DISTINCT prod_line_id FROM org_avail_part WHERE org_id = " &
_
                CStr(alOrgID)
        Set oRs = GetSQLRecordset(sSQL)
        Do Until oRs.EOF
```

```
            lProdLineID = oRs!prod_line_id
            'call the procedure for updating ref table prices
            Call RunSP("sp_update_price", MakeIntSPParm("aLong", -1), _
                                MakeIntSPParm("aLong", alOrgID), _
                                MakeIntSPParm("aLong", lProdLineID), _
                                MakeIntSPParm("aLong", -1))
            oRs.MoveNext
        Loop
    End If

    'get an RS for the same data
    Set UpdOrg = oOrg.GetOrgByID(alOrgID)

    'end trans
    CtxSetComplete

    'cleanup
    Set oOrg = Nothing
    Set oRs = Nothing
    Exit Function

    'error handling
UpdOrgErr:
    CtxSetAbort
    Set oOrg = Nothing
    Set oRs = Nothing
    RaiseError TypeName(Me), "UpdOrg"

End Function
'=================================================
' this function deletes an Org for a mfr
' takes mfr ID  , Org ID , last maintenence date as arguments
' no returns
'=================================================
'business sub to delete orgs, controls transaction
Public Sub DelOrg(ByVal alOrgID As Long, ByVal adMaintDate As Date)

    On Error GoTo DelOrgErr

    Dim oOrg As DawnOrg.DBOrg
    Dim oMemb As DawnUser.DBMember
    Dim oRs As ADODB.Recordset
    Dim lRow As Long
    Dim sSQL As String

    'set all members in this org to null
    Set oMemb = CtxCreateObject("DawnUser.DBMember")
    sSQL = "SELECT usr_id, mfr_id, org_id FROM member WHERE org_id = " &
CStr(alOrgID)
    Set oRs = GetSQLRecordset(sSQL)
    If Not oRs.EOF Then
        oRs.MoveFirst
        Do Until oRs.EOF
            Call oMemb.Update(oRs("usr_id"), 0)
            oRs.MoveNext
        Loop
    End If

    ' create DB comp and call delOrg
    Set oOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oOrg.DelOrg(alOrgID, adMaintDate)

    'check if row was deleted
```

```
    If lRow <= 0 Then
        'error - no orgs found for given criteria , so no deletion
        RaiseResError DawnOrgErrors.ecNoOrgFound, TypeName(Me), "DelOrg"
    End If
    If lRow > 1 Then
        'error - too many orgs were found - so, they were not deleted
        RaiseResError DawnOrgErrors.ecMultipleOrgsFound, TypeName(Me), "DelOrg"
    End If

    'end trans
    CtxSetComplete

    'cleanup
    Set oOrg = Nothing
    Set oMemb = Nothing
    Set oRs = Nothing
    Exit Sub

    'error handling
DelOrgErr:
    CtxSetAbort
    Set oOrg = Nothing
    Set oMemb = Nothing
    Set oRs = Nothing

    RaiseError TypeName(Me), "DelOrg"

End Sub
'=====================================================
' set org ID for all members to null and then deactivate the org
' takes mfr ID  , Org ID , last maintenence date as arguments
' no returns
'=====================================================
'business sub to delete orgs, controls transaction
Public Sub DeactivateOrg(ByVal alOrgID As Long, ByVal adMaintDate As Date)

    On Error GoTo ErrHandler

    Dim oOrg As DawnOrg.DBOrg
    Dim oMemb As DawnUser.DBMember
    Dim oRs As ADODB.Recordset
    Dim lRow As Long
    Dim sSQL As String

'     'set all members in this org to null
'     Set oMemb = CtxCreateObject("DawnUser.DBMember")
'     sSQL = "SELECT usr_id, mfr_id, org_id FROM member WHERE org_id = " &
CStr(alOrgID)
'     Set oRS = GetSQLRecordset(sSQL)
'     If Not oRS.EOF Then
'         oRS.MoveFirst
'         Do Until oRS.EOF
'             Call oMemb.Update(oRS("usr_id"), 0)
'             oRS.MoveNext
'         Loop
'     End If

    ' create DB comp and call delOrg
    Set oOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oOrg.DeactivateOrg(alOrgID, adMaintDate)

    'check if row was deleted
    If lRow <= 0 Then
```

```
        'error - no orgs found for given criteria , so no deletion
        RaiseResError DawnOrgErrors.ecNoOrgFound, TypeName(Me), "DeactivateOrg"
    End If
    If lRow > 1 Then
        'error - too many orgs were found - so, they were not deleted
        RaiseResError DawnOrgErrors.ecMultipleOrgsFound, TypeName(Me),
"DeactivateOrg"
    End If

    'end trans
    CtxSetComplete

    'cleanup
    Set oOrg = Nothing
    Set oMemb = Nothing
    Set oRs = Nothing
    Exit Sub

    'error handling
ErrHandler:
    CtxSetAbort
    Set oOrg = Nothing
    Set oMemb = Nothing
    Set oRs = Nothing

    RaiseError TypeName(Me), "DeactivateOrg"

End Sub
'=====================================================
' Reactivates an org
' takes Org ID, last maintenence date as arguments
' no returns
'=====================================================
'business sub to reactivate orgs, controls transaction
Public Sub ReactivateOrg(ByVal alOrgID As Long, ByVal adMaintDate As Date)

    On Error GoTo ErrHandler

    Dim oOrg As DawnOrg.DBOrg
    Dim lRow As Long
    Dim sSQL As String

    ' create DB comp and call delOrg
    Set oOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oOrg.ReactivateOrg(alOrgID, adMaintDate)

    'check if row was deleted
    If lRow <= 0 Then
        'error - no orgs found for given criteria , so no reactivation
        RaiseResError DawnOrgErrors.ecNoOrgFound, TypeName(Me), "ReactivateOrg"
    End If
    If lRow > 1 Then
        'error - too many orgs were found - so, they were not reactivated
        RaiseResError DawnOrgErrors.ecMultipleOrgsFound, TypeName(Me),
"ReactivateOrg"
    End If

    'end trans
    CtxSetComplete

    'cleanup
    Set oOrg = Nothing
    Exit Sub
```

```
    'error handling
ErrHandler:
    CtxSetAbort
    Set oOrg = Nothing

    RaiseError TypeName(Me), "ReactivateOrg"

End Sub

'=================================================
' this function creates an Admin for an Org
' takes mfr ID and Org ID as arguments
' returns a record set with Org admin details
'=================================================
'business function creates a member, sets up access and returns user RS
Public Function CreateOrgAdmin( _
        ByVal alManfID As Long, ByVal alOrgID As Long, ByVal asTitle As String,
ByVal asFirstName As String, _
        ByVal asMiddleName As String, ByVal asLastName As String, ByVal asEmail As
String, _
        ByVal asAltEmail As String, ByVal asJobTitle As String, ByVal asPassword As
String, _
        ByVal asPasswordHint As String, ByVal asChallengePhrase As String, ByVal
asChallengeResponse As String, _
        ByVal asAddr1 As String, ByVal asAddr2 As String, ByVal asCity As String,
ByVal asState As String, _
        ByVal asZip As String, ByVal asCountry As String, ByVal asPhone As String,
ByVal asExtension As String, _
        ByVal asFax As String, ByVal asCompanyName As String, ByVal asAltPhone As
String, _
        ByVal asAltExr As String) As ADODB.Recordset

    On Error GoTo CreateOrgAdminErr

    'var
    Dim oRs As ADODB.Recordset
    Dim oUser As DawnUser.BMember

    'create a member using the DawnUser component
    Set oUser = CtxCreateObject("DawnUser.BMember")
    Set CreateOrgAdmin = oUser.CreateOrgAdmin( _
                alManfID, alOrgID, asTitle, asFirstName, asMiddleName, asLastName, _
                asEmail, asAltEmail, asJobTitle, asPassword, asPasswordHint, _
                asChallengePhrase, asChallengeResponse, asAddr1, asAddr2, asCity, _
                asState, asZip, asCountry, asPhone, asExtension, asFax,
asCompanyName, _
                asAltPhone, asAltExr)

    'end trans
    CtxSetComplete

    'cleanup
    Set oRs = Nothing
    Set oUser = Nothing
    Exit Function

    'error
CreateOrgAdminErr:
    CtxSetAbort
    Set oRs = Nothing
    Set oUser = Nothing
    RaiseError TypeName(Me), "CreateOrgAdmin"
```

```
End Function

'================================================
'This function updates the USE WEB DISCOUNT INDICATOR
'INPUTS: org ID , web discount indicator, and maintenance date for the Org - not the
ship address
'RETURNS: none
'7/6/00 chrubecky - added call to sp_update_price function
'================================================
Public Sub SetWebDiscountIndicator(ByVal alOrgID As Long, ByVal
asWebDiscountIndicator As String, _
                                                    ByVal adMaintDate As Date)
On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
    Dim lRow As Long
    Dim lProdLineID As Long
    Dim sSQL As String
    Dim oRs As ADODB.Recordset

    'call db comp
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oDBOrg.SetWebDiscountIndicator(alOrgID, asWebDiscountIndicator,
adMaintDate)

    'check for errors
    If lRow <> 1 Then
        RaiseResError DawnOrgErrors.ecWebDiscountUpdateFailed, TypeName(Me),
"SetWebDiscountIndicator"
    End If

    'call the sp_update_price procedure to update prices.
    sSQL = "SELECT DISTINCT prod_line_id FROM org_avail_part WHERE org_id = " & _
           CStr(alOrgID)
    Set oRs = GetSQLRecordset(sSQL)
    Do Until oRs.EOF
        lProdLineID = oRs!prod_line_id
        'call the procedure for updating ref table prices
        Call RunSP("sp_update_price", MakeIntSPParm("aLong", -1), _
                   MakeIntSPParm("aLong", alOrgID), _
                   MakeIntSPParm("aLong", lProdLineID), _
                   MakeIntSPParm("aLong", -1))
        oRs.MoveNext
    Loop

    'cleanup
    CtxSetComplete
    Set oDBOrg = Nothing
    Set oRs = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    Set oRs = Nothing
    RaiseError TypeName(Me), "SetWebDiscountIndicator"

End Sub

'================================================
```

```
'This function updates the USE DEFAULT SHIP COST INDICATOR
'INPUTS: org ID , ship cost indicator, and maintenance date for the Org - not the
ship address
'RETURNS: none
'=====================================================
Public Sub SetDefaultShipCost(ByVal alOrgID As Long, ByVal
asDefaultShipCostIndicator As String, _
                                                    ByVal adMaintDate As Date)
On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
    Dim lRow As Long

    'call db comp
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRow = oDBOrg.SetDefaultShipCost(alOrgID, asDefaultShipCostIndicator,
adMaintDate)

    'check for errors
    If lRow <> 1 Then
        RaiseResError DawnOrgErrors.ecUpdateDefaultShipCost, TypeName(Me),
"SetDefaultShipCost"
    End If


    'cleanup
    CtxSetComplete
    Set oDBOrg = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "SetDefaultShipCost"

End Sub

Public Function AddShipType(ByVal alOrgID As Long, ByVal alShipTypeID As Long) As
ADODB.Recordset

    On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
    Dim sSQL As String
    Dim lRows As Long

    'Checks to see if the ship type is already there.
    sSQL = "SELECT * FROM org_avail_ship_typ WHERE org_id = " & alOrgID & " AND
ship_typ_id = " & alShipTypeID
    lRows = RunSQL(sSQL)
    If lRows > 0 Then
        RaiseResError DawnOrgErrors.ecShipIDNotValid, TypeName(Me), "AddShipType"
    End If

    'build business component and call function
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRows = oDBOrg.AddShipType(alOrgID, alShipTypeID)

    'Checks the insert
    If lRows <> 1 Then
```

```
        RaiseResError DawnOrgErrors.ecInsertShipTypeFailed, TypeName(Me),
"AddShipType"
    End If

    'Returns the added record
    Set AddShipType = GetSQLRecordset(sSQL)

    'end trans
    CtxSetComplete
    Set oDBOrg = Nothing
    Exit Function

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "AddShipType"

End Function

Public Function AddBillType(ByVal alOrgID As Long, ByVal alBillTypeID As Long) As
ADODB.Recordset

    On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
    Dim sSQL As String
    Dim lRows As Long

    'Checks to see if the ship type is already there.
    sSQL = "SELECT * FROM org_avail_bill_typ WHERE org_id = " & alOrgID & " AND
bill_typ_id = " & alBillTypeID
    lRows = RunSQL(sSQL)
    If lRows > 0 Then
        RaiseResError DawnOrgErrors.ecBillIDNotValid, TypeName(Me), "AddBillType"
    End If

    'build business component and call function
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
    lRows = oDBOrg.AddBillType(alOrgID, alBillTypeID)

    'Checks the insert
    If lRows <> 1 Then
        RaiseResError DawnOrgErrors.ecInsertBillTypeFailed, TypeName(Me),
"AddBillType"
    End If

    'Returns the added record
    Set AddBillType = GetSQLRecordset(sSQL)


    'end trans
    CtxSetComplete
    Set oDBOrg = Nothing
    Exit Function

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "AddBillType"
```

```
End Function

Public Sub RemoveShipType(ByVal alOrgID As Long, ByVal alShipTypeID As Long)

    On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
    Dim sSQL As String
    Dim lRows As Long

    'Checks to see if the ship type is already there.
    sSQL = "SELECT * FROM org_avail_ship_typ WHERE org_id = " & alOrgID & " AND
ship_typ_id = " & alShipTypeID
    lRows = RunSQL(sSQL)
    If lRows = 0 Then
        RaiseResError DawnOrgErrors.ecShipIDNotValid, TypeName(Me), "RemoveShipType"
    End If

    'build business component and call function
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
    oDBOrg.RemoveShipType alOrgID, alShipTypeID

    'end trans
    CtxSetComplete
    Set oDBOrg = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "RemoveShipType"

End Sub

Public Sub RemoveBillType(ByVal alOrgID As Long, ByVal alBillTypeID As Long)

    On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
    Dim sSQL As String
    Dim lRows As Long

    'Checks to see if the ship type is already there.
    sSQL = "SELECT * FROM org_avail_bill_typ WHERE org_id = " & alOrgID & " AND
bill_typ_id = " & alBillTypeID
    lRows = RunSQL(sSQL)
    If lRows = 0 Then
        RaiseResError DawnOrgErrors.ecBillIDNotValid, TypeName(Me), "RemoveBillType"
    End If

    'build business component and call function
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")
    oDBOrg.RemoveBillType alOrgID, alBillTypeID

    'end trans
    CtxSetComplete
    Set oDBOrg = Nothing
    Exit Sub

    'error
```

```
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "RemoveBillType"

End Sub

Public Sub AddShipTypes(ByVal alOrgID As Long, ByVal arrShipIDs As Variant)
    On Error GoTo ErrHandler

    'var
    Dim oDBShip As DawnOrg.DBOrg
    Dim lRow As Long
    Dim lCounter As Long

    ' create db comp and send result back
    Set oDBShip = CtxCreateObject("DawnOrg.DBOrg")

    'delete ship type
    lRow = oDBShip.DeleteShipType(alOrgID)

    'check for delete success
    If lRow < 0 Then
'        RaiseResError DawnOrgErrors.ecDeleteShipTypeFailed, TypeName(Me),
"DeleteShipType"
    End If

    'add the new ones if there are any in the array
    If Not IsNull(arrShipIDs) Or IsEmpty(arrShipIDs) Then
        If UBound(arrShipIDs) >= 0 Then

            For lCounter = 0 To UBound(arrShipIDs)

                'loop thru all the IDs in the variant array
                lRow = oDBShip.AddShipType(alOrgID, CLng(arrShipIDs(lCounter)))

                'check for insert success
                If lRow <> 1 Then
                    RaiseResError DawnOrgErrors.ecAddShipAddressFailed,
TypeName(Me), "AddShipTypes"
                End If
            Next
        End If
    End If

    'cleanup
    CtxSetComplete
    Set oDBShip = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDBShip = Nothing
    RaiseError TypeName(Me), "AddShipTypes"

End Sub

Public Sub AddBillTypes(ByVal alOrgID As Long, ByVal arrBillIDs As Variant)
    On Error GoTo ErrHandler

    'var
    Dim oDBOrg As DawnOrg.DBOrg
```

```
    Dim lRow As Long
    Dim lCounter As Long

    ' create db comp and send result back
    Set oDBOrg = CtxCreateObject("DawnOrg.DBOrg")

    'delete all bill types
    lRow = oDBOrg.DeleteBillType(alOrgID)

    'check for delete success
    If lRow < 0 Then
'       RaiseResError DawnOrgErrors.ecDeleteBillTypeFailed, TypeName(Me),
"DeleteBillType"
    End If

    'add the new ones if there are any in the array
    If Not IsNull(arrBillIDs) Or IsEmpty(arrBillIDs) Then
        If UBound(arrBillIDs) >= 0 Then
            For lCounter = 0 To UBound(arrBillIDs)

                    'add row
                    lRow = oDBOrg.AddBillType(alOrgID, CLng(arrBillIDs(lCounter)))

                    'check for insert success
                    If lRow <> 1 Then
                        RaiseResError DawnOrgErrors.ecInsertBillTypeFailed,
TypeName(Me), "AddBillTypes"
                    End If
            Next
        End If
    End If

    'cleanup
    CtxSetComplete
    Set oDBOrg = Nothing
    Exit Sub

    'error
ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "AddBillTypes"

End Sub

'=================================================
'This function validates a pipeline subscription code and adds the subscription if
valid.
'INPUTS: mfr ID , pipeline subscription code, security code
'RETURNS: recordset containing the new pipeline org_id and old pipeline mfr_id (if
applicable)
'chrubecky 6/5/00 - added code to verify mfr is not subscribing to itself
'=================================================
Public Function PipelineSubscribe(ByVal alManfID As Long, ByVal asSubscrCd As
String, _
                                  ByVal aiSecurityCode As SecurityCode) As
ADODB.Recordset
    On Error GoTo ErrHandler

    Dim sSQL As String
    Dim lOrgID As Long
    Dim lOldOrgID As Long
    Dim lRtn As Long
```

```
    Dim bSS As Boolean
    Dim oRs As ADODB.Recordset
    Dim oRSReturn As ADODB.Recordset
    Dim oDB As DawnOrg.DBOrg

    'verify the subscription code entered is valid, that the org is a pipelining
org,
    'no one has subscribed to it already and the manufacturer subscribing is not the
one
    'that created the org
    sSQL = "SELECT org_id, mfr_id, org_id as old_org_id, pl_ind, pl_mfr_id,
active_ind FROM org WHERE pl_subscript_cd = '" & _
           Trim(asSubscrCd) & "'"
    Set oRSReturn = GetSQLRecordset(sSQL)
    If Not oRSReturn.EOF Then
        If oRSReturn.Fields("pl_ind") = "0" Then
            RaiseResError DawnOrgErrors.ecNotPipelineOrg, TypeName(Me),
"PipelineSubscribe"
        ElseIf oRSReturn.Fields("pl_mfr_id") > 0 Then
            RaiseResError DawnOrgErrors.ecMfrAlreadySubscribed, TypeName(Me),
"PipelineSubscribe"
        ElseIf oRSReturn.Fields("active_ind") = "0" Then
            RaiseResError DawnOrgErrors.ecPipelineOrgDeleted, TypeName(Me),
"PipelineSubscribe"
        ElseIf oRSReturn!mfr_id = alManfID Then
            RaiseResError DawnOrgErrors.ecSubscribeToSelf, TypeName(Me),
"PipelineSubscribe"
        Else
            lOrgID = oRSReturn!org_id
            'Make sure the manufacturer can subscribe to the pipeline.
            'Get the ss_ind from the mfr table to see if the mfr is trying to
subscribe to more
            'than the allowed number of sources, if it already has one source,
unsubscribe to
            'that source first.
            sSQL = "SELECT ss_ind FROM mfr WHERE mfr_id = " & CStr(alManfID)
            Set oRs = GetSQLRecordset(sSQL)
            If Not oRs.EOF Then
                If oRs.Fields("ss_ind") = "1" Then
                    bSS = True
                ElseIf oRs.Fields("ss_ind") = "0" Then
                    bSS = False
                End If
                sSQL = "SELECT org_id as old_org_id FROM org WHERE pl_mfr_id = " &
CStr(alManfID)
                Set oRs = GetSQLRecordset(sSQL)
                If bSS = True Then
                    If Not oRs.EOF Then
                        If aiSecurityCode = 1 Then
                            lOldOrgID = oRs!old_org_id
                            PipelineUnSubscribe alManfID, lOldOrgID,
oRSReturn!mfr_id
                        Else
                            RaiseResError DawnOrgErrors.ecAlreadyHaveSource,
TypeName(Me), "PipelineSubscribe"
                        End If
                    End If
                End If
                Set oDB = CtxCreateObject("DawnOrg.DBOrg")
                lRtn = oDB.PipelineSubscribe(alManfID, lOrgID)
                If lRtn > 1 Then
                    RaiseResError DawnOrgErrors.ecMultipleOrgsFound, TypeName(Me),
"PipelineSubscribe"
```

```
                End If
                oRSReturn!org_id = lOrgID
                oRSReturn!old_org_id = lOldOrgID
                Set PipelineSubscribe = oRSReturn
            Else
                RaiseResError DawnOrgErrors.ecNoMfrType, TypeName(Me),
"PipelineSubscribe"
            End If
        End If
    Else
        RaiseResError DawnOrgErrors.ecInvalidSubscriptionCd, TypeName(Me),
"PipelineSubscribe"
    End If


    'cleanup
    CtxSetComplete
    Set oRs = Nothing
    Set oDB = Nothing
    Exit Function

ErrHandler:
    CtxSetAbort
    Set oRs = Nothing
    Set oDB = Nothing
    Set PipelineSubscribe = Nothing
    RaiseError TypeName(Me), "PipelineSubscribe"

End Function

'=====================================================
'This function removes a pipeline subscription. also removes parts from the mfr
accept part and all ref tables
'INPUTS: mfr ID
'RETURNS: none
'=====================================================
Private Sub PipelineUnSubscribe(ByVal alManfID As Long, ByVal alOrgID As Long, ByVal
alSrc As Long)
    On Error GoTo ErrHandler

    Dim sSQL As String
    Dim oDB As DawnOrg.DBOrg
    Dim lRtn As Long

    'delete the ref table data for parts
    RunSQL ("DELETE FROM mfr_accept_prod_ref WHERE mfr_id = " & CStr(alManfID) & "
AND src_mfr_id = " & CStr(alSrc))
    RunSQL ("DELETE FROM mfr_accept_part WHERE mfr_id = " & CStr(alManfID) & " AND
src_mfr_id = " & CStr(alSrc))
    RunSQL ("DELETE FROM memb_prod_ref WHERE mfr_id = " & CStr(alManfID))
    RunSQL ("DELETE FROM org_prod_ref WHERE org_id IN ( SELECT org_id FROM org WHERE
mfr_id = " & CStr(alManfID) & ")")

    'delete the subscription. if no subscription exists, no problem.
    Set oDB = CtxCreateObject("DawnOrg.DBOrg")
    lRtn = oDB.PipelineUnSubscribe(alManfID, alOrgID)
    If lRtn <> 1 Then
        RaiseResError DawnOrgErrors.ecPipelineUnSubscribeFailed, TypeName(Me),
"PipelineUnSubscribe"
    End If

    'cleanup
    CtxSetComplete
```

```
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "PipelineUnSubscribe"
End Sub

'*************************************************************************
' Description: Encrypts and decrypts a string based on a key.
' Input :   Action  - "E" for encrypt, "D" for decrypt.
'           Key     - The key to be used for encript or decrypt.
'           Scr     - The string to be encrypted or decrypted.
' Return:   The encrypted or decrypted string.
' Last Checked: 8/12/94
'*************************************************************************
Private Function Crypt(ByVal Action As String, ByVal Key As String, ByVal Src As
String) As String

    Dim Count As Integer
    Dim KeyPos As Integer
    Dim KeyLen As Integer
    Dim SrcAsc As Integer
    Dim dest As String
    Dim offset As Integer
    Dim TmpSrcAsc
    Dim SrcPos

    Key = RTrim$(Key)
    Src = RTrim$(Src)
    Action = UCase(Action)

    KeyLen = Len(Key)

    If Action = "E" Then
        Randomize
        offset = (Rnd * 10000 Mod 255) + 1

        dest = Hex$(offset)
        If Len(dest) = 1 Then
            dest = "0" + dest
        End If

        For SrcPos = 1 To Len(Src)
            SrcAsc = (Asc(Mid$(Src, SrcPos, 1)) + offset) Mod 255
            If KeyPos < KeyLen Then KeyPos = KeyPos + 1 Else KeyPos = 1
            SrcAsc = SrcAsc Xor Asc(Mid$(Key, KeyPos, 1))
            dest = dest + Format$(Hex$(SrcAsc), "@@")
            offset = SrcAsc
        Next
        dest = Replace(dest, " ", "I", 1, Len(dest))
    ElseIf Action = "D" Then
        Src = Replace(Src, "I", " ", 1, Len(Src))
        offset = Val("&H" + Left$(Src, 2))
        For SrcPos = 3 To Len(Src) Step 2
            SrcAsc = Val("&H" + Trim(Mid$(Src, SrcPos, 2)))
            If KeyPos < KeyLen Then KeyPos = KeyPos + 1 Else KeyPos = 1
            TmpSrcAsc = SrcAsc Xor Asc(Mid$(Key, KeyPos, 1))
            If TmpSrcAsc <= offset Then
                TmpSrcAsc = 255 + TmpSrcAsc - offset
            Else
                TmpSrcAsc = TmpSrcAsc - offset
```

```
            End If
            dest = dest + Chr(TmpSrcAsc)
            offset = SrcAsc
        Next
    End If

    Crypt = dest

End Function
```

BProd.cls

```
VERSION 1.0 CLASS
BEGIN
  MultiUse = -1  'True
  Persistable = 0  'NotPersistable
  DataBindingBehavior = 0  'vbNone
  DataSourceBehavior  = 0  'vbNone
  MTSTransactionMode  = 2  'RequiresTransaction
END
Attribute VB_Name = "BProd"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = True
Attribute VB_PredeclaredId = False
Attribute VB_Exposed = True
Option Base 0
Option Explicit

'================================================================================
============
'Inserts a Product Line into the prod_line table.
'uday 5/30/00 - update mfr tri state code
'================================================================================
============
Public Function CreateProdLine(ByVal asProdLineNum As String, ByVal asProdLineNme As
String, _
                ByVal asBriefDescr As String, ByVal asDescr As String, ByVal
asImgUrl As String, _
                ByVal alSeq1 As Long, ByVal alSeq2 As Long, ByVal alSeq3 As Long, _
                ByVal asLongDescr As String) As ADODB.Recordset
    On Error GoTo CreateProdLineErr

    Dim lProdLineId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBProd
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the prod_line_num is unique.
    sSQL = "SELECT Count(*) as rtn FROM prod_line WHERE prod_line_num = '" & _
                GetSQLStr(asProdLineNum) & "' AND active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicateProdLineNum, TypeName(Me),
"CreateProdLine(...)"
        End If
    End If

    'Get the next prod_line_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lProdLineId = oBSeq.GetNextInSequence("prod_line")
    If lProdLineId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateProdLine(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBProd")
    lRtn = oDB.CreateProdLine(lProdLineId, asProdLineNum, asProdLineNme, _
                    asBriefDescr, asDescr, asImgUrl, alSeq1, alSeq2, alSeq3,
asLongDescr)

    If lRtn <> 1 Then 'Something went wrong with the insert
```

```
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateProdLine(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT prod_line_id, prod_line_num, prod_line_nme, brief_descr,
descr," & _
            " img_url, seq_1, seq_2, seq_3, long_descr, last_maint_dtm" & _
            " FROM prod_line WHERE prod_line_id = " & CStr(lProdLineId)

        Set CreateProdLine = GetSQLRecordset(sSQL)
    End If

    'update mfr prod ref
    Call RunSP("sp_mfr_prod_ref_tri_state_update", MakeIntSPParm("aLong",
lProdLineId), _
                                                   MakeIntSPParm("aLong", -1),
_
                                                   MakeIntSPParm("aLong", -1))

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oBSeq = Nothing
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

CreateProdLineErr:
    'Release object references
    Set oBSeq = Nothing
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateProdLine(...)"

    Exit Function

End Function

'=============================================================================
============
'Performs an update of a specific prod_line record in the database.
'=============================================================================
============
Public Function UpdProdLine(ByVal alProdLineID As Long, ByVal asProdLineNum As
String, _
                ByVal asProdLineNme As String, ByVal asBriefDescr As String, ByVal
asDescr As String, _
                ByVal asImgUrl As String, ByVal alSeq1 As Long, ByVal alSeq2 As
Long, _
                ByVal alSeq3 As Long, ByVal asLongDescr As String, ByVal
adtLastMaintDtm As Date) As ADODB.Recordset
    On Error GoTo UpdProdLineErr

    Dim oDB As DBProd
```

```
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the prod_line_num is unique.
    sSQL = "SELECT Count(*) as rtn FROM prod_line WHERE prod_line_num = '" _
                & GetSQLStr(asProdLineNum) & "' AND prod_line_id <> " &
CStr(alProdLineID) & _
                " AND active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicateProdLineNum, TypeName(Me),
"UpdProdLine(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBProd")
    lRtn = oDB.UpdProdLine(alProdLineID, asProdLineNum, asProdLineNme, asBriefDescr,
_
        asDescr, asImgUrl, alSeq1, alSeq2, alSeq3, asLongDescr, adtLastMaintDtm)

    ' Ensure that a row was actually updated
    If lRtn <> 1 Then 'Something went wrong with the update
        sSQL = "SELECT Count(*) as rtn FROM prod_line WHERE prod_line_id = " & _
                    CStr(alProdLineID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdProdLineErr(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdProdLineErr(...)"
            End If
        End If
    Else

        'Retrieve the newly updated record.
        sSQL = "SELECT prod_line_id, prod_line_num, prod_line_nme, brief_descr,
descr," & _
            " img_url, seq_1, seq_2, seq_3, long_descr, last_maint_dtm" & _
            " FROM prod_line WHERE prod_line_id = " & CStr(alProdLineID)

        Set UpdProdLine = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

UpdProdLineErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value
```

```
    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdProdLine(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a specific prod_line record in the database
'=============================================================================
============
Public Function DelProdLine(ByVal alProdLineID As Long, ByVal adtLastMaintDtm As
Date)
    On Error GoTo DelProdLineErr

    Dim oDB As DBProd
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBProd")
    lRtn = oDB.DelProdLine(alProdLineID, adtLastMaintDtm)

    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM prod_line WHERE prod_line_id = " & _
                    CStr(alProdLineID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelProdLine(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelProdLine(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelProdLineErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort
```

```
    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelProdLine(...)"

    Exit Function

End Function

'=============================================================================
============
'deactivates a specific prod_line record in the database
'=============================================================================
============
Public Function DeactivateProdLine(ByVal alProdLineID As Long, ByVal adtLastMaintDtm
As Date)
    On Error GoTo DeactivateProdLineErr

    Dim oDB As DBProd
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBProd")
    lRtn = oDB.DeactivateProdLine(alProdLineID, adtLastMaintDtm)

    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM prod_line WHERE prod_line_id = " & _
                    CStr(alProdLineID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DeactivateProdLine(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DeactivateProdLine(...)"
            End If
        End If
    End If


    'run stored procedure to update ref tables 1/17/00
    Call RunSP("sp_prod_line_update", MakeIntSPParm("aLong", alProdLineID))

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DeactivateProdLineErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort
```

```
    'Raise the error to the calling module
    RaiseError TypeName(Me), "DeactivateProdLine(...)"

    Exit Function

End Function


'=============================================================================================
'Adds a Commodity to the commodity table.
'uday 5/30/00 update mfr prod ref table for tri states
'=============================================================================================
Public Function CreateComm(ByVal alProdLineID As Long, ByVal asCommNum As String, _
        ByVal asCommNme As String, ByVal asBriefDescr As String, ByVal asDescr As
String, ByVal adbSugListPr As Double, _
        ByVal asImgUrl As String, ByVal alStampface As Long, ByVal alSeq1 As Long,
ByVal alSeq2 As Long, _
        ByVal alSeq3 As Long, ByVal asLongDescr As String) As ADODB.Recordset
    On Error GoTo CreateCommErr

    Dim lCommId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBComm
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the commodity_num is unique.
    sSQL = "SELECT Count(*) as rtn FROM commodity WHERE commodity_num = '" _
                & GetSQLStr(asCommNum) & "' AND active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicateCommNum, TypeName(Me),
"CreateComm(...)"
        End If
    End If

    'Get the next prod_line_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lCommId = oBSeq.GetNextInSequence("commodity")
    If lCommId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateComm(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBComm")
    lRtn = oDB.CreateComm(lCommId, alProdLineID, asCommNum, asCommNme, asBriefDescr,
asDescr, _
            adbSugListPr, asImgUrl, alStampface, alSeq1, alSeq2, alSeq3,
asLongDescr)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateComm(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT commodity_id, prod_line_id, commodity_num, commodity_nme,
brief_descr," & _
            " descr, sugg_list_price, img_url, seq_1, seq_2, seq_3, long_descr," & _
```

```
            " last_maint_dtm FROM commodity WHERE commodity_id = " & CStr(lCommId)

        Set CreateComm = GetSQLRecordset(sSQL)
    End If

    'update mfr prod ref
    Call RunSP("sp_mfr_prod_ref_tri_state_update", MakeIntSPParm("aLong", -1), _
                                                   MakeIntSPParm("aLong",
lCommId), _
                                                   MakeIntSPParm("aLong", -1))

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateCommErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateComm(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a specific commodity record in the database.
'=============================================================================
============
Public Function UpdComm(ByVal alCommId As Long, ByVal alProdLineID As Long, ByVal
asCommNum As String, _
        ByVal asCommNme As String, ByVal asBriefDescr As String, ByVal asDescr As
String, ByVal adbSugListPr As Double, _
        ByVal asImgUrl As String, ByVal alStampface As Long, ByVal alSeq1 As Long,
ByVal alSeq2 As Long, _
        ByVal alSeq3 As Long, ByVal asLongDescr As String, ByVal adtLastMaintDtm As
Date) As ADODB.Recordset
    On Error GoTo UpdCommErr

    Dim oDB As DBComm
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the commodity_num is unique.
    Set oRS = GetSQLRecordset("SELECT Count(*) as rtn FROM commodity " & _
                "WHERE commodity_num = '" & GetSQLStr(asCommNum) & _
                "' AND commodity_id <> " & CStr(alCommId) & " AND active_ind = '1'
```

```
")
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicateCommNum, TypeName(Me),
"UpdComm(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBComm")
    lRtn = oDB.UpdComm(alCommId, alProdLineID, asCommNum, asCommNme, asBriefDescr, _
        asDescr, adbSugListPr, asImgUrl, alStampface, alSeq1, alSeq2, alSeq3,
asLongDescr, adtLastMaintDtm)

    If lRtn <> 1 Then 'Something went wrong with the update
        sSQL = "SELECT Count(*) as rtn FROM commodity WHERE commodity_id = " & _
                CStr(alCommId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdComm(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdComm(...)"
            End If
        End If
    Else
        'Retrieve the newly updated record.

        sSQL = "SELECT commodity_id, prod_line_id, commodity_num, commodity_nme,
brief_descr," & _
            " descr, sugg_list_price, img_url, seq_1, seq_2, seq_3, long_descr," & _
            " last_maint_dtm FROM commodity WHERE commodity_id = " & CStr(alCommId)

        Set UpdComm = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

UpdCommErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdComm(...)"

    Exit Function

End Function
```

```
'=============================================================================
============
'Deletes a Commodity from the commodity table.
'=============================================================================
============
Public Function DelComm(ByVal alCommId As Long, ByVal adtLastMaintDtm As Date)
    On Error GoTo DelCommErr

    Dim oDB As DBComm
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBComm")
    lRtn = oDB.DelComm(alCommId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM commodity WHERE commodity_id = " & _
                    CStr(alCommId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelComm(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelComm(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelCommErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelComm(...)"

    Exit Function

End Function

'=============================================================================
============
'deactivates a Commodity from the commodity table.
'=============================================================================
============
```

```
Public Function DeactivateComm(ByVal alCommId As Long, ByVal adtLastMaintDtm As
Date)
    On Error GoTo DeactivateCommErr

    Dim oDB As DBComm
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBComm")
    lRtn = oDB.DeactivateComm(alCommId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM commodity WHERE commodity_id = " & _
                    CStr(alCommId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DeactivateComm(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DeactivateComm(...)"
            End If
        End If
    End If

    'run stored procedure to update ref tables 1/17/00
    Call RunSP("sp_commodity_update", MakeIntSPParm("aLong", alCommId))

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Exit Function

DeactivateCommErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DeactivateComm(...)"

    Exit Function

End Function


'=============================================================================
============
'Adds a Part to the part table.
'uday 5/30/00 - update mfr prod ref for new part
'=============================================================================
============
Public Function CreatePart(ByVal alCommId As Long, ByVal asPartNum As String, _
```

```
        ByVal asIntPartNum As String, ByVal asPartNme As String, ByVal asBriefDescr
As String, ByVal asDescr As String, _
        ByVal adbSugListPr As Double, ByVal asImgUrl As String, ByVal asColor As
String, _
        ByVal alSeq1 As Long, ByVal alSeq2 As Long, ByVal alSeq3 As Long, ByVal
asLongDescr As String) _
        As ADODB.Recordset
    On Error GoTo CreatePartErr

    Dim lPartId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBPart
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the part_num is unique.
    sSQL = "SELECT Count(*) as rtn FROM part WHERE part_num = '" _
                & GetSQLStr(asPartNum) & "' AND active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicatePartNum, TypeName(Me),
"CreatePart(...)"
        End If
    End If

    'Get the next prod_line_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lPartId = oBSeq.GetNextInSequence("part")
    If lPartId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreatePart(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBPart")
    lRtn = oDB.CreatePart(lPartId, alCommId, asPartNum, asIntPartNum, asPartNme, _
                    asBriefDescr, asDescr, adbSugListPr, asImgUrl, asColor, alSeq1,
alSeq2, alSeq3, asLongDescr)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreatePart(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT part_id, commodity_id, part_num, int_part_num, part_nme,
brief_descr," & _
            " descr, sugg_list_price, img_url, seq_1, seq_2, seq_3, long_descr," & _
            " last_maint_dtm FROM part WHERE part_id = " & CStr(lPartId)

        Set CreatePart = GetSQLRecordset(sSQL)
    End If

    'update mfr prod ref
    Call RunSP("sp_mfr_prod_ref_tri_state_update", MakeIntSPParm("aLong", -1), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong",
lPartId))

    'Tell MTS we're done.
    CtxSetComplete
```

```
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreatePartErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreatePart(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a specific part record in the database.
'=============================================================================
============
Public Function UpdPart(ByVal alPartID As Long, ByVal alCommId As Long, ByVal
asPartNum As String, _
        ByVal asIntPartNum As String, ByVal asPartNme As String, ByVal asBriefDescr
As String, ByVal asDescr As String, _
        ByVal adbSugListPr As Double, ByVal asImgUrl As String, ByVal asColor As
String, _
        ByVal alSeq1 As Long, ByVal alSeq2 As Long, ByVal alSeq3 As Long, ByVal
asLongDescr As String, _
        ByVal adtLastMaintDtm As Date) As ADODB.Recordset
    On Error GoTo UpdPartErr

    Dim oDB As DBPart
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the part_num is unique.
    sSQL = "SELECT Count(*) as rtn FROM part WHERE part_num = '" _
                & GetSQLStr(asPartNum) & "' AND part_id <> " & CStr(alPartID) & _
                " AND active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicatePartNum, TypeName(Me),
"CreatePart(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBPart")
    lRtn = oDB.UpdPart(alPartID, alCommId, asPartNum, asIntPartNum, asPartNme,
asBriefDescr, _
```

```
        asDescr, adbSugListPr, asImgUrl, asColor, alSeq1, alSeq2, alSeq3,
asLongDescr, adtLastMaintDtm)

    If lRtn <> 1 Then 'Something went wrong with the update
        sSQL = "SELECT Count(*) as rtn FROM part WHERE part_id = " & _
                    CStr(alPartID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdPart(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdPart(...)"
            End If
        End If
    Else

        'Retrieve the newly updated record.
        sSQL = "SELECT part_id, commodity_id, part_num, int_part_num, part_nme,
brief_descr," & _
            " descr, sugg_list_price, img_url, seq_1, seq_2, seq_3, long_descr," & _
            " last_maint_dtm FROM part WHERE part_id = " & CStr(alPartID)

        Set UpdPart = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

UpdPartErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdPart(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a specific part record in the database.
'=============================================================================
============
Public Function DelPart(ByVal alPartID As Long, ByVal adtLastMaintDtm As Date)
    On Error GoTo DelPartErr

    Dim oDB As DBPart
    Dim lRtn As Long
```

```
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBPart")
    lRtn = oDB.DelPart(alPartID, adtLastMaintDtm)

    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM part WHERE part_id = " & _
                    CStr(alPartID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelPart(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelPart(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelPartErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelPart(...)"

    Exit Function

End Function

'=============================================================================
============
'deactivates a specific part record in the database.
'=============================================================================
============
Public Function DeactivatePart(ByVal alPartID As Long, ByVal adtLastMaintDtm As
Date)
    On Error GoTo DeactivatePartErr

    Dim oDB As DBPart
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
```

```
    Set oDB = CtxCreateObject("DawnProd.DBPart")
    lRtn = oDB.DeactivatePart(alPartID, adtLastMaintDtm)

    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM part WHERE part_id = " & _
                    CStr(alPartID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DeactivatePart(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DeactivatePart(...)"
            End If
        End If
    End If

    'run stored procedure to update ref tables 1/17/00
    Call RunSP("sp_part_update", MakeIntSPParm("aLong", alPartID))

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DeactivatePartErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DeactivatePart(...)"

    Exit Function

End Function


'=============================================================================
============
'Adds a Category record in the category table.
'=============================================================================
============
Public Function CreateCat(ByVal asCatNme As String, ByVal asImgUrl As String, _
        ByVal asBriefDescr As String, ByVal asDescr As String) As ADODB.Recordset
    On Error GoTo CreateCatErr

    Dim lCatId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBCat
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
```

```
    'Make sure the cat_nme is unique.
    sSQL = "SELECT Count(*) as rtn FROM category WHERE cat_nme = '" _
                & GetSQLStr(asCatNme) & "' AND active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicateCatNme, TypeName(Me),
"CreateCat(...)"
        End If
    End If

    'Get the next cat_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lCatId = oBSeq.GetNextInSequence("category")
    If lCatId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateCat(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBCat")
    lRtn = oDB.CreateCat(lCatId, asCatNme, asImgUrl, asBriefDescr, asDescr)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateCat(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT cat_id, cat_nme, brief_descr, descr, last_maint_dtm" & _
            " FROM category WHERE cat_id = " & CStr(lCatId)

        Set CreateCat = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateCatErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateCat(...)"

    Exit Function

End Function
```

```
'==============================================================================
============
'Updates a specific Category record in the category table.
'==============================================================================
============
Public Function UpdCat(ByVal alCatId As Long, ByVal asCatNme As String, _
        ByVal asImgUrl As String, ByVal asBriefDescr As String, ByVal asDescr As
String, _
        ByVal adtLastMaintDtm As Date) As ADODB.Recordset
    On Error GoTo UpdCatErr

    Dim oDB As DBCat
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the cat_nme is unique.
    sSQL = "SELECT Count(*) as rtn FROM category WHERE cat_nme = '" _
                & GetSQLStr(asCatNme) & "' AND cat_id <> " & CStr(alCatId) & " AND
active_ind = '1' "
    Set oRS = GetSQLRecordset(sSQL)
    If Not oRS.EOF Then
        If oRS.Fields("rtn").Value <> 0 Then
            RaiseResError DawnProdErrCodes.ecDuplicateCatNme, TypeName(Me),
"UpdCat(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBCat")
    lRtn = oDB.UpdCat(alCatId, asCatNme, asImgUrl, asBriefDescr, asDescr,
adtLastMaintDtm)

    If lRtn <> 1 Then 'Something went wrong with the update
        sSQL = "SELECT Count(*) as rtn FROM category WHERE cat_id = " & _
                    CStr(alCatId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then 'The record doesn't exist.
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdCat(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdCat(...)"
            End If
        End If
    Else
        'Retrieve the newly updated record.
        sSQL = "SELECT cat_id, cat_nme, brief_descr, descr, last_maint_dtm" & _
            " FROM category WHERE cat_id = " & CStr(alCatId)

        Set UpdCat = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function
```

```
UpdCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdCat(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a specific Category record from the category table.
'it also deletes all association with product lines in the prod_line_cat table
'=============================================================================
============
Public Function DelCat(ByVal alCatId As Long, ByVal adtLastMaintDtm As Date)
    On Error GoTo DelCatErr

    Dim oDB As DBCat
    Dim oDBProdLineCat As DBProdLineCat
    Dim lRtn As Long
    Dim oRS As ADODB.Recordset
    Dim sSQL As String

    'delete the association with prodlines in the prod_line Cat table
    'multiple rows can be deleted here or no rows because, there might not be any
associations
    'so we check for < 0 only
    Set oDBProdLineCat = CtxCreateObject("DawnProd.DBProdLineCat")
    lRtn = oDBProdLineCat.RemProdLinesInCat(alCatId)
    If lRtn < 0 Then
        RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelCat(...)"
    End If

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBCat")
    lRtn = oDB.DelCat(alCatId, adtLastMaintDtm)

    'something went wrong
    If lRtn <> 1 Then
        sSQL = "SELECT Count(*) as rtn FROM category WHERE cat_id = " & _
                    CStr(alCatId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelCat(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelCat(...)"
            End If
        End If
    End If
```

```
    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oDBProdLineCat = Nothing

    Exit Function

DelCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oDBProdLineCat = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelCat(...)"

    Exit Function

End Function

'=============================================================================
============
'deactivates a specific Category record from the category table.
'it also deletes all association with product lines in the prod_line_cat table
'=============================================================================
============
Public Function DeactivateCat(ByVal alCatId As Long, ByVal adtLastMaintDtm As Date)
    On Error GoTo DeactivateCatErr

    Dim oDB As DBCat
    Dim oDBProdLineCat As DBProdLineCat
    Dim lRtn As Long
    Dim oRS As ADODB.Recordset
    Dim sSQL As String

    'create DB component
    Set oDB = CtxCreateObject("DawnProd.DBCat")
    Set oDBProdLineCat = CtxCreateObject("DawnProd.DBProdLineCat")

    'delete the association with prodlines in the prod_line Cat table
    'multiple rows can be deleted here or no rows because, there might not be any
associations
    'so we check for < 0 only
    lRtn = oDBProdLineCat.RemProdLinesInCat(alCatId)
    If lRtn < 0 Then
        RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DeactivateCat(...)"
    End If

    'Allow the DB component to do the actual deletion.
    lRtn = oDB.DeactivateCat(alCatId, adtLastMaintDtm)

    'something went wrong
    If lRtn <> 1 Then
        sSQL = "SELECT Count(*) as rtn FROM category WHERE cat_id = " & _
```

```
                    CStr(alCatId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DeactivateCat(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DeactivateCat(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oDBProdLineCat = Nothing

    Exit Function

DeactivateCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oDBProdLineCat = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DeactivateCat(...)"

    Exit Function

End Function


'=============================================================================
============
'Adds a relationship between a product line and a category.
'changed 10/21/99 - uday - deletes all relations and adds all the ones in the array
passed in
'returns number od rows affected
'=============================================================================
============
Public Function AddProdLineCat(ByVal alCatId As Long, ByVal arrProdLine As Variant)
As Long
    On Error GoTo AddProdLineCatErr

    Dim oDB As DBProdLineCat
    Dim lRtn As Long
    Dim oRS As ADODB.Recordset
    Dim sSQL As String
    Dim lCounter As Long

    'create DB component
    Set oDB = CtxCreateObject("DawnProd.DBProdLineCat")
```

```
    'get all the prodline cats for the given cat
    sSQL = "SELECT cat_id, prod_line_id FROM prod_line_cat WHERE cat_id = " &
CStr(alCatId)
    Set oRS = GetSQLRecordset(sSQL)

    'delete all the relations
    If Not oRS.EOF Then
    oRS.MoveFirst
    Do Until oRS.EOF
        lRtn = oDB.RemProdLineCat(alCatId, oRS("prod_line_id"))
        If lRtn <> 1 Then
            RaiseResError DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddProdLineCat(...)"
        End If
        oRS.MoveNext
    Loop
    End If

    'check the array. If there are no elements, then dont add any relations , else
add all of them
    If Not (IsEmpty(arrProdLine) Or UBound(arrProdLine) < 0) Then
         For lCounter = 0 To UBound(arrProdLine)

            'Allow the DB component to do the actual insert.
            lRtn = oDB.AddProdLineCat(alCatId, arrProdLine(lCounter))
            If lRtn <> 1 Then
                RaiseResError DawnProdErrCodes.ecInsertFailed, _
                                        TypeName(Me), "AddProdLineCat(...)"
            End If

        Next

    End If

    AddProdLineCat = lRtn

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Exit Function

AddProdLineCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    'Set return value
    AddProdLineCat = -1

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "AddProdLineCat(...)"

    Exit Function

End Function

'================================================================================
============
```

```
'Removes a relationship between a product line and a category.
'=============================================================================
============
Public Function RemProdLineCat(ByVal alCatId As Long, ByVal alProdLineID As Long)
    On Error GoTo RemProdLineCatErr

    Dim oDB As DBProdLineCat
    Dim lRtn As Long
    Dim oRS As ADODB.Recordset
    Dim sSQL As String

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBProdLineCat")
    lRtn = oDB.RemProdLineCat(alCatId, alProdLineID)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM prod_line_cat WHERE prod_line_id = " & _
               CStr(alProdLineID) & " AND cat_id = " & CStr(alCatId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value <> 1 Then 'already deleted
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"RemProdLineCat(...)"
            Else
                RaiseResError DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemProdLineCat(...)"
            End If
        End If
    End If
    RemProdLineCat = lRtn

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

RemProdLineCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "RemProdLineCat(...)"

    Exit Function

End Function

'=============================================================================
============
'Adds a relationship between a commodity and a category.
'=============================================================================
============
Public Function AddCommCat(ByVal alCatId As Long, ByVal alCommId As Long) As Long
    On Error GoTo AddCommCatErr
```

```
    Dim oDB As DBCommCat
    Dim lRtn As Long

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBCommCat")
    lRtn = oDB.AddCommCat(alCatId, alCommId)
    If lRtn <> 1 Then
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddCommCat(...)"
    End If
    AddCommCat = lRtn

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing

    Exit Function

AddCommCatErr:
    'Release object references
    Set oDB = Nothing

    'Set return value
    AddCommCat = -1

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "AddCommCat(...)"

    Exit Function

End Function

'============================================================================
============
'Removes a relationship between a commodity and a category.
'============================================================================
============
Public Function RemCommCat(ByVal alCatId As Long, ByVal alCommId As Long)
    On Error GoTo RemCommCatErr

    Dim oDB As DBCommCat
    Dim lRtn As Long
    Dim oRS As ADODB.Recordset
    Dim sSQL As String

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBCommCat")
    lRtn = oDB.RemCommCat(alCatId, alCommId)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM comm_cat WHERE category_id = " & _
                CStr(alCommId) & " AND cat_id = " & CStr(alCatId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value <> 1 Then 'already deleted
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"RemCommCat(...)"
            Else
```

```
                RaiseResError DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemCommCat(...)"
            End If
        End If
    End If
    RemCommCat = lRtn

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

RemCommCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "RemCommCat(...)"

    Exit Function

End Function

'================================================================================
============
'Adds a relationship between a commodity and a category.
'================================================================================
============
Public Function AddPartCat(ByVal alCatId As Long, ByVal alPartID As Long) As Long
    On Error GoTo AddPartCatErr

    Dim oDB As DBPartCat
    Dim lRtn As Long

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBPartCat")
    lRtn = oDB.AddPartCat(alCatId, alPartID)
    If lRtn <> 1 Then
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddPartCat(...)"
    End If
    AddPartCat = lRtn

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing

    Exit Function

AddPartCatErr:
    'Release object references
```

```
    Set oDB = Nothing

    'Set return value
    AddPartCat = -1

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "AddPartCat(...)"

    Exit Function

End Function

'=============================================================================
============
'Removes a relationship between a part and a category.
'=============================================================================
============
Public Function RemPartCat(ByVal alCatId As Long, ByVal alPartID As Long)
    On Error GoTo RemPartCatErr

    Dim oDB As DBPartCat
    Dim lRtn As Long
    Dim oRS As ADODB.Recordset
    Dim sSQL As String

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBPartCat")
    lRtn = oDB.RemPartCat(alCatId, alPartID)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM part_cat WHERE part_id = " & _
                CStr(alPartID) & " AND cat_id = " & CStr(alCatId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value <> 1 Then 'already deleted
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"RemPartCat(...)"
            Else
                RaiseResError DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemPartCat(...)"
            End If
        End If
    End If
    RemPartCat = lRtn

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

RemPartCatErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value
```

```
    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "RemPartCat(...)"

    Exit Function

End Function

'================================================================================
============
'Adds pricing information for a product line associated with a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'================================================================================
============
Public Function CreateManfProdLinePr(ByVal alManfID As Long, ByVal alProdLineID As
Long, _
        ByVal adbWebDiscVal As Double, ByVal asWebDiscTypCd As String) As
ADODB.Recordset
    On Error GoTo CreateManfProdLinePrErr

    Dim oDB As DBProdLinePricing
    Dim lRtn As Long
    Dim sSQL As String

    asWebDiscTypCd = Trim(asWebDiscTypCd)
    If asWebDiscTypCd <> "" Then
        If asWebDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And _
                asWebDiscTypCd <> CStr(DiscountTypeCode.ecPercentage) Then
            RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me),
"CreateManfProdLinePr(...)"
        ElseIf adbWebDiscVal < 0 Then
            RaiseResError DawnProdErrCodes.ecWebDiscountValueRequired, TypeName(Me),
_
                          "CreateManfProdLinePr(...)"
        End If
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBProdLinePricing")
    lRtn = oDB.CreateManfProdLinePr(alManfID, alProdLineID, adbWebDiscVal,
asWebDiscTypCd)
    If lRtn <> 1 Then 'Something went wrong on the insert.
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateManfProdLinePr(...)"
    Else
        'Now get the newly created record.
        sSQL = "SELECT mfr_id, prod_line_id, web_disc_typ_cd, web_disc_val," & _
               " last_maint_dtm FROM mfr_prod_line_pricing WHERE mfr_id = " &
CStr(alManfID) & _
               " AND prod_line_id = " & CStr(alProdLineID)
        Set CreateManfProdLinePr = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing

    Exit Function
```

```
CreateManfProdLinePrErr:
    'Release object references
    Set oDB = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateManfProdLinePr(...)"

    Exit Function

End Function

'============================================================================================
============
'Updates the pricing information for a product line associated with a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'============================================================================================
============
Public Function UpdManfProdLinePr(ByVal alManfID As Long, ByVal alProdLineID As
Long, _
        ByVal adbWebDiscVal As Double, ByVal asWebDiscTypCd As String, _
        ByVal adtLastMaintDtm As Date) As ADODB.Recordset
    On Error GoTo UpdManfProdLinePrErr

    Dim oDB As DBProdLinePricing
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'If a discount type code was entered, validate it.
    asWebDiscTypCd = Trim(asWebDiscTypCd)
    If asWebDiscTypCd <> "" Then
        If asWebDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And _
                asWebDiscTypCd <> CStr(DiscountTypeCode.ecPercentage) Then
            RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me),
"UpdManfProdLinePr(...)"
        ElseIf adbWebDiscVal < 0 Then
            RaiseResError DawnProdErrCodes.ecWebDiscountValueRequired, TypeName(Me),
_
                          "UpdManfProdLinePr(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBProdLinePricing")
    lRtn = oDB.UpdManfProdLinePr(alManfID, alProdLineID, adbWebDiscVal,
asWebDiscTypCd, _
                                 adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM mfr_prod_line_pricing WHERE mfr_id = " &
CStr(alManfID) &_
               " AND prod_line_id = " & CStr(alProdLineID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelCat(...)"
```

```
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelCat(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT mfr_id, prod_line_id, web_disc_typ_cd, web_disc_val," & _
               " last_maint_dtm FROM mfr_prod_line_pricing WHERE mfr_id = " &
CStr(alManfID) & _
               " AND prod_line_id = " & CStr(alProdLineID)
        Set UpdManfProdLinePr = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

UpdManfProdLinePrErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdManfProdLinePr(...)"

    Exit Function

End Function

'================================================================================
============
'Adds pricing information for a commodity associated with a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'================================================================================
============
Public Function CreateManfCommPr(ByVal alManfID As Long, ByVal alCommId As Long, _
        ByVal adbListPr As Double, ByVal adbSalePr As Double, ByVal adbWebDiscVal As
Double, _
        ByVal asWebDiscTypCd As String) As ADODB.Recordset
    On Error GoTo CreateManfCommPrErr

    Dim oDB As DBCommPricing
    Dim lRtn As Long
    Dim sSQL As String

    'If a discount type code was entered, validate it.
    asWebDiscTypCd = Trim(asWebDiscTypCd)
    If asWebDiscTypCd <> "" Then
        If asWebDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And _
                    asWebDiscTypCd <> CStr(DiscountTypeCode.ecPercentage) Then
            RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me),
```

```
"CreateManfCommPr(...)"
        ElseIf adbWebDiscVal < 0 Then
            RaiseResError DawnProdErrCodes.ecWebDiscountValueRequired, TypeName(Me),
_
                                "CreateManfCommPr(...)"
        End If
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBCommPricing")
    lRtn = oDB.CreateManfCommPr(alManfID, alCommId, adbListPr, adbSalePr,
adbWebDiscVal, _
                                asWebDiscTypCd)
    If lRtn <> 1 Then 'Something went wrong on the insert.
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateManfCommPr(...)"
    Else
        'Now get the newly created record.
        sSQL = "SELECT mfr_id, commodity_id, list_price, sale_price, web_disc_val,
web_disc_typ_cd," & _
               " last_maint_dtm FROM mfr_comm_pricing WHERE mfr_id = " &
CStr(alManfID) &_
               " AND commodity_id = " & CStr(alCommId)
        Set CreateManfCommPr = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing

    Exit Function

CreateManfCommPrErr:
    'Release object references
    Set oDB = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateManfCommPr(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates the pricing information for a commodity associated with a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function UpdManfCommPr(ByVal alManfID As Long, ByVal alCommId As Long, _
        ByVal adbListPr As Double, ByVal adbSalePr As Double, ByVal adbWebDiscVal As
Double, _
        ByVal asWebDiscTypCd As String, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdManfCommPrErr
```

```
    Dim oDB As DBCommPricing
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'If a discount type code was entered, validate it.
    asWebDiscTypCd = Trim(asWebDiscTypCd)
    If asWebDiscTypCd <> "" Then
        If asWebDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And _
                asWebDiscTypCd <> CStr(DiscountTypeCode.ecPercentage) Then
            RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me),
"UpdManfCommPr(...)"
        ElseIf adbWebDiscVal < 0 Then
            RaiseResError DawnProdErrCodes.ecWebDiscountValueRequired, TypeName(Me),
_
                          "UpdManfCommPr(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBCommPricing")
    lRtn = oDB.UpdManfCommPr(alManfID, alCommId, adbListPr, adbSalePr,
adbWebDiscVal, _
                          asWebDiscTypCd, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM mfr_comm_pricing WHERE mfr_id = " &
CStr(alManfID) &_
               " AND commodity_id = " & CStr(alCommId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdManfCommPr(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdManfCommPr(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT mfr_id, commodity_id, list_price, sale_price, web_disc_val,
web_disc_typ_cd," & _
               " last_maint_dtm FROM mfr_comm_pricing WHERE mfr_id = " &
CStr(alManfID) &_
               " AND commodity_id = " & CStr(alCommId)
        Set UpdManfCommPr = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

UpdManfCommPrErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
```

```
    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdManfCommPr(...)"

    Exit Function

End Function

'=============================================================================
============
'Adds pricing information for a part associated with a manufacturer.
'=============================================================================
============
Public Function CreateManfPartPr(ByVal alManfID As Long, ByVal alPartID As Long, _
        ByVal adbListPr As Double, ByVal adbSalePr As Double, ByVal adbWebDiscVal As
Double, _
        ByVal asWebDiscTypCd As String) As ADODB.Recordset
    On Error GoTo CreateManfPartPrErr

    Dim oDB As DBPartPricing
    Dim lRtn As Long
    Dim sSQL As String

    'If a discount type code was entered, validate it.
    asWebDiscTypCd = Trim(asWebDiscTypCd)
    If asWebDiscTypCd <> "" Then
        If asWebDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And _
                    asWebDiscTypCd <> CStr(DiscountTypeCode.ecPercentage) Then
            RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me),
"CreateManfPartPr(...)"
        ElseIf adbWebDiscVal < 0 Then
            RaiseResError DawnProdErrCodes.ecWebDiscountValueRequired, TypeName(Me),
_
                          "CreateManfPartPr(...)"
        End If
    End If


    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBPartPricing")
    lRtn = oDB.CreateManfPartPr(alManfID, alPartID, adbListPr, adbSalePr,
adbWebDiscVal, _
                          asWebDiscTypCd)
    If lRtn <> 1 Then 'Something went wrong on the insert.
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateManfPartPr(...)"
    Else
        'Now get the newly created record.
        sSQL = "SELECT mfr_id, part_id, list_price, sale_price, web_disc_val,
web_disc_typ_cd," & _
               " last_maint_dtm FROM mfr_part_pricing WHERE mfr_id = " &
CStr(alManfID) & _
               " AND part_id = " & CStr(alPartID)
        Set CreateManfPartPr = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete
```

```
    'Release object references
    Set oDB = Nothing

    Exit Function

CreateManfPartPrErr:
    'Release object references
    Set oDB = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateManfPartPr(...)"

    Exit Function

End Function

'================================================================================
============
'Updates the pricing information for a part associated with a manufacturer.
'================================================================================
============
Public Function UpdManfPartPr(ByVal alManfID As Long, ByVal alPartID As Long, _
        ByVal adbListPr As Double, ByVal adbSalePr As Double, ByVal adbWebDiscVal As
Double, _
        ByVal asWebDiscTypCd As String, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdManfPartPrErr

    Dim oDB As DBPartPricing
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'If a discount type code was entered, validate it.
    asWebDiscTypCd = Trim(asWebDiscTypCd)
    If asWebDiscTypCd <> "" Then
        If asWebDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And _
                    asWebDiscTypCd <> CStr(DiscountTypeCode.ecPercentage) Then
            RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me),
"UpdManfPartPr(...)"
        ElseIf adbWebDiscVal < 0 Then
            RaiseResError DawnProdErrCodes.ecWebDiscountValueRequired, TypeName(Me),
_
                          "UpdManfPartPr(...)"
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBPartPricing")
    lRtn = oDB.UpdManfPartPr(alManfID, alPartID, adbListPr, adbSalePr,
adbWebDiscVal, _
                          asWebDiscTypCd, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM mfr_part_pricing WHERE mfr_id = " &
CStr(alManfID) &_
               " AND part_id = " & CStr(alPartID)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
```

```
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdManfPartPr(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdManfPartPr(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT mfr_id, part_id, list_price, sale_price, web_disc_val,
web_disc_typ_cd," & _
               " last_maint_dtm FROM mfr_part_pricing WHERE mfr_id = " &
CStr(alManfID) & _
               " AND part_id = " & CStr(alPartID)
        Set UpdManfPartPr = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

UpdManfPartPrErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdManfPartPr(...)"

    Exit Function

End Function


'================================================================================
============
'Adds a discount for a default product line for a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'================================================================================
============
Public Function CreateManfDefProdLineDisc(ByVal alManfID As Long, ByVal alProdLineID
As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date) As ADODB.Recordset
    On Error GoTo CreateManfDefProdLineDiscErr

    Dim lDiscId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBGblProdLineDisc
```

```
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "CreateManfDefProdLineDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "CreateManfDefProdLineDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If adDiscEndDte > 0 Then
        sSQL = "SELECT 1 FROM gbl_prod_line_disc WHERE disc_start_dte is not null
and disc_end_dte is not null "
        sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND prod_line_id = " &
CStr(alProdLineID)
        sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
        sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN disc_start_dte
AND disc_end_dte "
        sSQL = sSQL & " OR  disc_start_dte BETWEEN " & GetSQLDate(adDiscStartDte) &
" AND " & GetSQLDate(adDiscEndDte)
        sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte) & "
AND " & GetSQLDate(adDiscEndDte) & " ) "
        sSQL = sSQL & " AND disc_stus_cd = '1' "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "CreateManfDefProdLineDisc"
        End If
    Else
        sSQL = " SELECT 1 FROM gbl_prod_line_disc WHERE disc_start_dte is NOT NULL
AND disc_end_dte IS NULL "
        sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND prod_line_id = " &
CStr(alProdLineID)
        sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc, TypeName(Me),
"CreateManfDefProdLineDisc"
        End If
    End If

    'Get the next disc_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lDiscId = oBSeq.GetNextInSequence("discount")
    If lDiscId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateManfDefProdLineDisc(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBGblProdLineDisc")
    lRtn = oDB.CreateManfDefProdLineDisc(alManfID, alProdLineID, lDiscId,
```

```
asDiscStusCd, _
            asDiscTypCd, adbDiscVal, adDiscStartDte, adDiscEndDte)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateManfDefProdLineDisc(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT mfr_id, prod_line_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM gbl_prod_line_disc"
& _
            " WHERE mfr_id = " & CStr(alManfID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(lDiscId)

        Set CreateManfDefProdLineDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateManfDefProdLineDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateManfDefProdLineDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a discount for a default product line for a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function UpdManfDefProdLineDisc(ByVal alManfID As Long, ByVal alProdLineID As
Long, ByVal alDiscId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdManfDefProdLineDiscErr

    Dim oDB As DBGblProdLineDisc
```

```
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
    Dim oRDDisc As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "UpdManfDefProdLineDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "UpdManfDefProdLineDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If asDiscStusCd = ecActive Then
        If adDiscEndDte > 0 Then
            sSQL = "SELECT 1 FROM gbl_prod_line_disc WHERE disc_start_dte is not
null and disc_end_dte is not null "
            sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND prod_line_id = "
& CStr(alProdLineID)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR  disc_start_dte BETWEEN " &
GetSQLDate(adDiscStartDte) & " AND " & GetSQLDate(adDiscEndDte)
            sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte)
& " AND " & GetSQLDate(adDiscEndDte) & " ) "
            sSQL = sSQL & " AND disc_stus_cd = '1' "
            Set oRDDisc = GetSQLRecordset(sSQL)
            If oRDDisc.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "UpdManfDefProdLineDisc"
            End If
        Else
            sSQL = " SELECT 1 FROM gbl_prod_line_disc WHERE disc_start_dte is NOT
NULL AND disc_end_dte IS NULL "
            sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND prod_line_id = "
& CStr(alProdLineID)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
            Set oRS = GetSQLRecordset(sSQL)
            If oRS.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc,
TypeName(Me), "UpdManfDefProdLineDisc"
            End If
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBGblProdLineDisc")
    lRtn = oDB.UpdManfDefProdLineDisc(alManfID, alProdLineID, alDiscId,
asDiscStusCd, asDiscTypCd, _
            adbDiscVal, adDiscStartDte, adDiscEndDte, adtLastMaintDtm)
```

```
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM gbl_prod_line_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdManfDefProdLineDisc(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdManfDefProdLineDisc(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT mfr_id, prod_line_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," &_
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM gbl_prod_line_disc"
& _
            " WHERE mfr_id = " & CStr(alManfID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(alDiscId)
        Set UpdManfDefProdLineDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRDDisc = Nothing

    Exit Function

UpdManfDefProdLineDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRDDisc = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdManfDefProdLineDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a discount for a default product line for a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function DelManfDefProdLineDisc(ByVal alManfID As Long, ByVal alProdLineID As
```

```
Long, ByVal alDiscId As Long, _
        ByVal adtLastMaintDtm As Date)
    On Error GoTo DelManfDefProdLineDiscErr

    Dim oDB As DBGblProdLineDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBGblProdLineDisc")
    lRtn = oDB.DelManfDefProdLineDisc(alManfID, alProdLineID, alDiscId,
adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM gbl_prod_line_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelManfDefProdLineDisc(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelManfDefProdLineDisc(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelManfDefProdLineDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelManfDefProdLineDisc(...)"

    Exit Function

End Function

'================================================================================
============
'Adds a discount for a default commodity for a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'================================================================================
============
```

```
Public Function CreateManfDefCommDisc(ByVal alManfID As Long, ByVal alCommId As
Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date) As ADODB.Recordset
    On Error GoTo CreateManfDefCommDiscErr

    Dim lDiscId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBGblCommDisc
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                        "CreateManfDefCommDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                        "CreateManfDefCommDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If adDiscEndDte > 0 Then
        sSQL = "SELECT 1 FROM gbl_comm_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
        sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND commodity_id = " &
CStr(alCommId)
        sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
        sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN disc_start_dte
AND disc_end_dte   "
        sSQL = sSQL & " OR  disc_start_dte BETWEEN " & GetSQLDate(adDiscStartDte) &
" AND " & GetSQLDate(adDiscEndDte)
        sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte) & "
AND " & GetSQLDate(adDiscEndDte) & " ) "
        sSQL = sSQL & " AND disc_stus_cd = '1' "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "CreateManfDefCommDisc"
        End If
    Else
        sSQL = " SELECT 1 FROM gbl_comm_disc WHERE disc_start_dte is NOT NULL AND
disc_end_dte IS NULL "
        sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND commodity_id = " &
CStr(alCommId)
        sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc, TypeName(Me),
"CreateManfDefCommDisc"
        End If
    End If
```

```
    'Get the next disc_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lDiscId = oBSeq.GetNextInSequence("discount")
    If lDiscId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateManfDefCommDisc(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBGblCommDisc")
    lRtn = oDB.CreateManfDefCommDisc(alManfID, alCommId, lDiscId, asDiscStusCd, _
            asDiscTypCd, adbDiscVal, adDiscStartDte, adDiscEndDte)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateManfDefCommDisc(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT mfr_id, commodity_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM gbl_comm_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(lDiscId)

        Set CreateManfDefCommDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing
    Exit Function

CreateManfDefCommDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateManfDefCommDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a discount for a default commodity for a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function UpdManfDefCommDisc(ByVal alManfID As Long, ByVal alCommId As Long,
```

```
ByVal alDiscId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdManfDefCommDiscErr

    Dim oDB As DBGblCommDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
    Dim oRSDisc As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                        "UpdManfDefCommDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                        "UpdManfDefCommDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If asDiscStusCd = ecActive Then
        If adDiscEndDte > 0 Then
            sSQL = "SELECT 1 FROM gbl_comm_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
            sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND commodity_id = "
& CStr(alCommId)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR  disc_start_dte BETWEEN " &
GetSQLDate(adDiscStartDte) & " AND " & GetSQLDate(adDiscEndDte)
            sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte)
& " AND " & GetSQLDate(adDiscEndDte) & " ) "
            sSQL = sSQL & " AND disc_stus_cd = '1' "
            Set oRSDisc = GetSQLRecordset(sSQL)
            If oRSDisc.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "UpdManfDefCommDisc"
            End If
        Else
            sSQL = " SELECT 1 FROM gbl_comm_disc WHERE disc_start_dte is NOT NULL
AND disc_end_dte IS NULL "
            sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND commodity_id = "
& CStr(alCommId)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
            Set oRS = GetSQLRecordset(sSQL)
            If oRS.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc,
TypeName(Me), "UpdManfDefCommDisc"
            End If
```

```
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBGblCommDisc")
    lRtn = oDB.UpdManfDefCommDisc(alManfID, alCommId, alDiscId, asDiscStusCd,
asDiscTypCd, _
            adbDiscVal, adDiscStartDte, adDiscEndDte, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM gbl_comm_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdManfDefCommDisc(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdManfDefCommDisc(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT mfr_id, commodity_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM gbl_comm_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(alDiscId)
        Set UpdManfDefCommDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    Exit Function

UpdManfDefCommDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdManfDefCommDisc(...)"

    Exit Function

End Function

'================================================================================
```

```
============
'Deletes a discount for a default commodity for a manufacturer.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function DelManfDefCommDisc(ByVal alManfID As Long, ByVal alCommId As Long,
ByVal alDiscId As Long, _
        ByVal adtLastMaintDtm As Date)
    On Error GoTo DelManfDefCommDiscErr

    Dim oDB As DBGblCommDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBGblCommDisc")
    lRtn = oDB.DelManfDefCommDisc(alManfID, alCommId, alDiscId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM gbl_comm_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelManfDefCommDisc(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelManfDefCommDisc(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelManfDefCommDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelManfDefCommDisc(...)"

    Exit Function

End Function

'=============================================================================
```

```
============
'Adds a discount for a default part for a manufacturer.
'=============================================================================
============
Public Function CreateManfDefPartDisc(ByVal alManfID As Long, ByVal alPartID As
Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date) As ADODB.Recordset
    On Error GoTo CreateManfDefPartDiscErr

    Dim lDiscId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBGblPartDisc
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "CreateManfDefPartDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "CreateManfDefPartDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If adDiscEndDte > 0 Then
        sSQL = "SELECT 1 FROM gbl_part_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
        sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND part_id = " &
CStr(alPartID)
        sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
        sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN disc_start_dte
AND disc_end_dte "
        sSQL = sSQL & " OR  disc_start_dte BETWEEN " & GetSQLDate(adDiscStartDte) &
" AND " & GetSQLDate(adDiscEndDte)
        sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte) & "
AND " & GetSQLDate(adDiscEndDte) & " ) "
        sSQL = sSQL & " AND disc_stus_cd = '1' "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "CreateManfDefPartDisc"
        End If
    Else
        sSQL = " SELECT 1 FROM gbl_part_disc WHERE disc_start_dte is NOT NULL AND
disc_end_dte IS NULL "
        sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND part_id = " &
CStr(alPartID)
        sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc, TypeName(Me),
```

```
"CreateManfDefPartDisc"
        End If
    End If

    'Get the next disc_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lDiscId = oBSeq.GetNextInSequence("discount")
    If lDiscId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateManfDefPartDisc(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBGblPartDisc")
    lRtn = oDB.CreateManfDefPartDisc(alManfID, alPartID, lDiscId, asDiscStusCd, _
            asDiscTypCd, adbDiscVal, adDiscStartDte, adDiscEndDte)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateManfDefPartDisc(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT mfr_id, part_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM gbl_part_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(lDiscId)

        Set CreateManfDefPartDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateManfDefPartDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateManfDefPartDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a discount for a default part for a manufacturer.
```

```
'=============================================================================
============
Public Function UpdManfDefPartDisc(ByVal alManfID As Long, ByVal alPartID As Long,
ByVal alDiscId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdManfDefPartDiscErr

    Dim oDB As DBGblPartDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
    Dim oRSDisc As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "UpdManfDefPartDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "UpdManfDefPartDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If asDiscStusCd = ecActive Then
        If adDiscEndDte > 0 Then
            sSQL = "SELECT 1 FROM gbl_part_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
            sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND part_id = " &
CStr(alPartID)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR  disc_start_dte BETWEEN " &
GetSQLDate(adDiscStartDte) & " AND " & GetSQLDate(adDiscEndDte)
            sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte)
& " AND " & GetSQLDate(adDiscEndDte) & " ) "
            sSQL = sSQL & " AND disc_stus_cd = '1' "
            Set oRSDisc = GetSQLRecordset(sSQL)
            If oRSDisc.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "UpdManfDefPartDisc"
            End If
        Else
            sSQL = " SELECT 1 FROM gbl_part_disc WHERE disc_start_dte is NOT NULL
AND disc_end_dte IS NULL "
            sSQL = sSQL & " AND mfr_id = " & CStr(alManfID) & " AND part_id = " &
CStr(alPartID)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
            Set oRS = GetSQLRecordset(sSQL)
            If oRS.RecordCount > 0 Then
```

```
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc,
TypeName(Me), "UpdManfDefPartDisc"
            End If
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBGblPartDisc")
    lRtn = oDB.UpdManfDefPartDisc(alManfID, alPartID, alDiscId, asDiscStusCd,
asDiscTypCd, _
            adbDiscVal, adDiscStartDte, adDiscEndDte, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM gbl_part_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdManfDefPartDisc(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdManfDefPartDisc(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT mfr_id, part_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM gbl_part_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(alDiscId)
        Set UpdManfDefPartDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    Exit Function

UpdManfDefPartDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdManfDefPartDisc(...)"

    Exit Function
```

```
End Function

'=============================================================================
============
'Deletes a discount for a default part for a manufacturer.
'=============================================================================
============
Public Function DelManfDefPartDisc(ByVal alManfID As Long, ByVal alPartID As Long,
ByVal alDiscId As Long, _
        ByVal adtLastMaintDtm As Date)
    On Error GoTo DelManfDefPartDiscErr

    Dim oDB As DBGblPartDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBGblPartDisc")
    lRtn = oDB.DelManfDefPartDisc(alManfID, alPartID, alDiscId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM gbl_part_disc" & _
            " WHERE mfr_id = " & CStr(alManfID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelManfDefPartDisc(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelManfDefPartDisc(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelManfDefPartDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelManfDefPartDisc(...)"

    Exit Function

End Function
```

```
'=============================================================================
============
'Adds a discount for a product line for an organization.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function CreateOrgProdLineDisc(ByVal alOrgID As Long, ByVal alProdLineID As
Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date) As ADODB.Recordset
    On Error GoTo CreateOrgProdLineDiscErr

    Dim lDiscId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBOrgProdLineDisc
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "CreateOrgProdLineDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "CreateOrgProdLineDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If adDiscEndDte > 0 Then
        sSQL = "SELECT 1 FROM org_prod_line_disc WHERE disc_start_dte is not null
and disc_end_dte is not null "
        sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND prod_line_id = " &
CStr(alProdLineID)
        sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
        sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN disc_start_dte
AND disc_end_dte "
        sSQL = sSQL & " OR  disc_start_dte BETWEEN " & GetSQLDate(adDiscStartDte) &
" AND " & GetSQLDate(adDiscEndDte)
        sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte) & "
AND " & GetSQLDate(adDiscEndDte) & " ) "
        sSQL = sSQL & " AND disc_stus_cd = '1' "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "CreateOrgProdLineDisc"
        End If
    Else
        sSQL = " SELECT 1 FROM org_prod_line_disc WHERE disc_start_dte is NOT NULL
AND disc_end_dte IS NULL "
        sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND prod_line_id = " &
CStr(alProdLineID)
        sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
```

```
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc, TypeName(Me),
"CreateOrgProdLineDisc"
        End If
    End If

    'Get the next disc_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lDiscId = oBSeq.GetNextInSequence("discount")
    If lDiscId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateOrgProdLineDisc(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBOrgProdLineDisc")
    lRtn = oDB.CreateOrgProdLineDisc(alOrgID, alProdLineID, lDiscId, asDiscStusCd, _
            asDiscTypCd, adbDiscVal, adDiscStartDte, adDiscEndDte)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateOrgProdLineDisc(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT org_id, prod_line_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM org_prod_line_disc"
& _
            " WHERE org_id = " & CStr(alOrgID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(lDiscId)

        Set CreateOrgProdLineDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateOrgProdLineDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateOrgProdLineDisc(...)"

    Exit Function

End Function
```

```
'=============================================================================
============
'Updates a discount for a product line for an organization.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function UpdOrgProdLineDisc(ByVal alOrgID As Long, ByVal alProdLineID As
Long, ByVal alDiscId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdOrgProdLineDiscErr

    Dim oDB As DBOrgProdLineDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
    Dim oRSDisc As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "UpdOrgProdLineDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "UpdOrgProdLineDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If asDiscStusCd = ecActive Then
        If adDiscEndDte > 0 Then
            sSQL = "SELECT 1 FROM org_prod_line_disc WHERE disc_start_dte is not
null and disc_end_dte is not null "
            sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND prod_line_id = "
& CStr(alProdLineID)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR  disc_start_dte BETWEEN " &
GetSQLDate(adDiscStartDte) & " AND " & GetSQLDate(adDiscEndDte)
            sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte)
& " AND " & GetSQLDate(adDiscEndDte) & " ) "
            sSQL = sSQL & " AND disc_stus_cd = '1' "
            Set oRSDisc = GetSQLRecordset(sSQL)
            If oRSDisc.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "UpdOrgProdLineDisc"
            End If
        Else
            sSQL = " SELECT 1 FROM org_prod_line_disc WHERE disc_start_dte is NOT
NULL AND disc_end_dte IS NULL "
```

```
            sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND prod_line_id = "
& CStr(alProdLineID)
            sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            Set oRS = GetSQLRecordset(sSQL)
            If oRS.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc,
TypeName(Me), "UpdOrgProdLineDisc"
            End If
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBOrgProdLineDisc")
    lRtn = oDB.UpdOrgProdLineDisc(alOrgID, alProdLineID, alDiscId, asDiscStusCd,
asDiscTypCd, _
            adbDiscVal, adDiscStartDte, adDiscEndDte, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM org_prod_line_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdOrgProdLineDisc(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdOrgProdLineDisc(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT org_id, prod_line_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM org_prod_line_disc"
& _
            " WHERE org_id = " & CStr(alOrgID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(alDiscId)
        Set UpdOrgProdLineDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    Exit Function

UpdOrgProdLineDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    'Set return value

    'Abort the transaction
```

```
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdOrgProdLineDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a discount for a product line for an organization.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function DelOrgProdLineDisc(ByVal alOrgID As Long, ByVal alProdLineID As
Long, ByVal alDiscId As Long, _
        ByVal adtLastMaintDtm As Date)
    On Error GoTo DelOrgProdLineDiscErr

    Dim oDB As DBOrgProdLineDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBOrgProdLineDisc")
    lRtn = oDB.DelOrgProdLineDisc(alOrgID, alProdLineID, alDiscId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM org_prod_line_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND prod_line_id = " &
CStr(alProdLineID) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelOrgProdLineDisc(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelOrgProdLineDisc(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelOrgProdLineDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
```

```
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelOrgProdLineDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Adds a discount for a commodity for an organization.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function CreateOrgCommDisc(ByVal alOrgID As Long, ByVal alCommId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date) As ADODB.Recordset
    On Error GoTo CreateOrgCommDiscErr

    Dim lDiscId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBOrgCommDisc
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                        "CreateOrgCommDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                        "CreateOrgCommDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If adDiscEndDte > 0 Then
        sSQL = "SELECT 1 FROM org_comm_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
        sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND commodity_id = " &
CStr(alCommId)
        sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
        sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN disc_start_dte
AND disc_end_dte "
        sSQL = sSQL & " OR  disc_start_dte BETWEEN " & GetSQLDate(adDiscStartDte) &
" AND " & GetSQLDate(adDiscEndDte)
        sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte) & "
AND " & GetSQLDate(adDiscEndDte) & " ) "
        sSQL = sSQL & " AND disc_stus_cd = '1' "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
```

```
TypeName(Me), "CreateOrgCommDisc"
        End If
    Else
        sSQL = " SELECT 1 FROM org_comm_disc WHERE disc_start_dte is NOT NULL AND
disc_end_dte IS NULL "
        sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND commodity_id = " &
CStr(alCommId)
        sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc, TypeName(Me),
"CreateOrgCommDisc"
        End If
    End If

    'Get the next disc_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lDiscId = oBSeq.GetNextInSequence("discount")
    If lDiscId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateOrgCommDisc(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBOrgCommDisc")
    lRtn = oDB.CreateOrgCommDisc(alOrgID, alCommId, lDiscId, asDiscStusCd, _
            asDiscTypCd, adbDiscVal, adDiscStartDte, adDiscEndDte)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateOrgCommDisc(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT org_id, commodity_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM org_comm_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(lDiscId)

        Set CreateOrgCommDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateOrgCommDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort
```

```
    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateOrgCommDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a discount for a commodity for an organization.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function UpdOrgCommDisc(ByVal alOrgID As Long, ByVal alCommId As Long, ByVal
alDiscId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdOrgCommDiscErr

    Dim oDB As DBOrgCommDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
    Dim oRSDisc As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "UpdOrgCommDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "UpdOrgCommDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If asDiscStusCd = ecActive Then
        If adDiscEndDte > 0 Then
            sSQL = "SELECT 1 FROM org_comm_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
            sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND commodity_id = "
& CStr(alCommId)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR  disc_start_dte BETWEEN " &
GetSQLDate(adDiscStartDte) & " AND " & GetSQLDate(adDiscEndDte)
            sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte)
& " AND " & GetSQLDate(adDiscEndDte) & " ) "
            sSQL = sSQL & " AND disc_stus_cd = '1' "
            Set oRSDisc = GetSQLRecordset(sSQL)
```

```
            If oRSDisc.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "UpdOrgCommDisc"
            End If
        Else
            sSQL = " SELECT 1 FROM org_comm_disc WHERE disc_start_dte is NOT NULL
AND disc_end_dte IS NULL "
            sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND commodity_id = "
& CStr(alCommId)
            sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            Set oRS = GetSQLRecordset(sSQL)
            If oRS.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc,
TypeName(Me), "UpdOrgCommDisc"
            End If
        End If
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBOrgCommDisc")
    lRtn = oDB.UpdOrgCommDisc(alOrgID, alCommId, alDiscId, asDiscStusCd,
asDiscTypCd, _
            adbDiscVal, adDiscStartDte, adDiscEndDte, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM org_comm_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdOrgCommDisc(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdOrgCommDisc(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT org_id, commodity_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM org_comm_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(alDiscId)
        Set UpdOrgCommDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    Exit Function

UpdOrgCommDiscErr:
    'Release object references
    Set oDB = Nothing
```

```
    Set oRS = Nothing
    Set oRSDisc = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdOrgCommDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a discount for a commodity for an organization.
'2000/01/28 chrubecky   added extra transaction complete before stored procedure
call.
'=============================================================================
============
Public Function DelOrgCommDisc(ByVal alOrgID As Long, ByVal alCommId As Long, ByVal
alDiscId As Long, _
        ByVal adtLastMaintDtm As Date)
    On Error GoTo DelOrgCommDiscErr

    Dim oDB As DBOrgCommDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBOrgCommDisc")
    lRtn = oDB.DelOrgCommDisc(alOrgID, alCommId, alDiscId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM org_comm_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND commodity_id = " &
CStr(alCommId) & _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelOrgCommDisc(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelOrgCommDisc(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelOrgCommDiscErr:
    'Release object references
```

```
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelOrgCommDisc(...)"

    Exit Function

End Function

'================================================================================
============
'Adds a discount for a part for an organization.
'================================================================================
============
Public Function CreateOrgPartDisc(ByVal alOrgID As Long, ByVal alPartID As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date) As ADODB.Recordset
    On Error GoTo CreateOrgPartDiscErr

    Dim lDiscId As Long
    Dim lRtn As Long
    Dim oBSeq As DawnSeq.BSequence
    Dim oDB As DBOrgPartDisc
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                        "CreateOrgPartDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                        "CreateOrgPartDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If adDiscEndDte > 0 Then
        sSQL = "SELECT 1 FROM org_part_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
        sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND part_id = " &
CStr(alPartID)
        sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
        sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN disc_start_dte
AND disc_end_dte "
        sSQL = sSQL & " OR  disc_start_dte BETWEEN " & GetSQLDate(adDiscStartDte) &
" AND " & GetSQLDate(adDiscEndDte)
        sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte) & "
AND " & GetSQLDate(adDiscEndDte) & " ) "
```

```
        sSQL = sSQL & " AND disc_stus_cd = '1' "
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "CreateOrgPartDisc"
        End If
    Else
        sSQL = " SELECT 1 FROM org_part_disc WHERE disc_start_dte is NOT NULL AND
disc_end_dte IS NULL "
        sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND part_id = " &
CStr(alPartID)
        sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
        Set oRS = GetSQLRecordset(sSQL)
        If oRS.RecordCount > 0 Then
            RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc, TypeName(Me),
"CreateOrgPartDisc"
        End If
    End If

    'Get the next disc_id.
    Set oBSeq = CtxCreateObject("DawnSeq.BSequence")
    lDiscId = oBSeq.GetNextInSequence("discount")
    If lDiscId < 1 Then
        RaiseResError DawnProdErrCodes.ecSequenceError, TypeName(Me),
"CreateOrgPartDisc(...)"
    End If

    'Allow the DB component to do the actual insert.
    Set oDB = CtxCreateObject("DawnProd.DBOrgPartDisc")
    lRtn = oDB.CreateOrgPartDisc(alOrgID, alPartID, lDiscId, asDiscStusCd, _
            asDiscTypCd, adbDiscVal, adDiscStartDte, adDiscEndDte)

    If lRtn <> 1 Then 'Something went wrong with the insert
        RaiseResError DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"CreateOrgPartDisc(...)"
    Else
        'Retrieve the newly created record.
        sSQL = "SELECT org_id, part_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM org_part_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(lDiscId)

        Set CreateOrgPartDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS we're done.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing

    Exit Function

CreateOrgPartDiscErr:
    'Release object references
    Set oDB = Nothing
    Set oBSeq = Nothing
    Set oRS = Nothing
```

```
    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "CreateOrgPartDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Updates a discount for a part for an organization.
'=============================================================================
============
Public Function UpdOrgPartDisc(ByVal alOrgID As Long, ByVal alPartID As Long, ByVal
alDiscId As Long, _
        ByVal asDiscStusCd As String, ByVal asDiscTypCd As String, ByVal adbDiscVal
As Double, ByVal adDiscStartDte As Date, _
        ByVal adDiscEndDte As Date, ByVal adtLastMaintDtm As Date) As
ADODB.Recordset
    On Error GoTo UpdOrgPartDiscErr

    Dim oDB As DBOrgPartDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset
    Dim oRSDisc As ADODB.Recordset

    'Make sure the DiscTypCd and DiscStusCd are valid.
    asDiscTypCd = Trim(asDiscTypCd)
    asDiscStusCd = Trim(asDiscStusCd)
    If asDiscTypCd <> CStr(DiscountTypeCode.ecDollar) And asDiscTypCd <> _
                                        CStr(DiscountTypeCode.ecPercentage) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscTypCd, TypeName(Me), _
                      "UpdOrgPartDisc(...)"
    End If
    If asDiscStusCd <> CStr(DiscountStatusCode.ecActive) And asDiscStusCd <> _
                                        CStr(DiscountStatusCode.ecInactive) Then
        RaiseResError DawnProdErrCodes.ecInvalidDiscStusCd, TypeName(Me), _
                      "UpdOrgPartDisc(...)"
    End If

    'make sure that if the discount has an end date, this does not clash with an
already active discount with an end date
    'this check is for special discounts
    If asDiscStusCd = ecActive Then
        If adDiscEndDte > 0 Then
            sSQL = "SELECT 1 FROM org_part_disc WHERE disc_start_dte is not null and
disc_end_dte is not null "
            sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND part_id = " &
CStr(alPartID)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            sSQL = sSQL & " AND (" & GetSQLDate(adDiscStartDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR " & GetSQLDate(adDiscEndDte) & " BETWEEN
disc_start_dte AND disc_end_dte "
            sSQL = sSQL & " OR  disc_start_dte BETWEEN " &
GetSQLDate(adDiscStartDte) & " AND " & GetSQLDate(adDiscEndDte)
            sSQL = sSQL & " OR  disc_end_dte BETWEEN " & GetSQLDate(adDiscStartDte)
& " AND " & GetSQLDate(adDiscEndDte) & " ) "
```

```
            sSQL = sSQL & " AND disc_stus_cd = '1' "
            Set oRSDisc = GetSQLRecordset(sSQL)
            If oRSDisc.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateSpecial,
TypeName(Me), "UpdOrgPartDisc"
            End If
        Else
            sSQL = " SELECT 1 FROM org_part_disc WHERE disc_start_dte is NOT NULL
AND disc_end_dte IS NULL "
            sSQL = sSQL & " AND org_id = " & CStr(alOrgID) & " AND part_id = " &
CStr(alPartID)
            sSQL = sSQL & " AND disc_start_dte = " & GetSQLDate(adDiscStartDte)
            sSQL = sSQL & " AND disc_id <> " & CStr(alDiscId)
            Set oRS = GetSQLRecordset(sSQL)
            If oRS.RecordCount > 0 Then
                RaiseResError DawnProd.DawnProdErrCodes.ecDuplicateDisc,
TypeName(Me), "UpdOrgPartDisc"
            End If
        End If
    End If

    'Allow the DB component to do the actual update.
    Set oDB = CtxCreateObject("DawnProd.DBOrgPartDisc")
    lRtn = oDB.UpdOrgPartDisc(alOrgID, alPartID, alDiscId, asDiscStusCd,
asDiscTypCd, _
            adbDiscVal, adDiscStartDte, adDiscEndDte, adtLastMaintDtm)
    If lRtn <> 1 Then 'Something went wrong on the update.
        sSQL = "SELECT Count(*) as rtn FROM org_part_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordDeleted, TypeName(Me),
"UpdOrgPartDisc(...)"
            Else 'Row changed between retrieve and update.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"UpdOrgPartDisc(...)"
            End If
        End If
    Else
        'Now get the newly updated record.
        sSQL = "SELECT org_id, part_id, disc_id, disc_stus_cd, disc_typ_cd,
disc_val," & _
            " disc_start_dte, disc_end_dte, last_maint_dtm FROM org_part_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(alDiscId)
        Set UpdOrgPartDisc = GetSQLRecordset(sSQL)
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    Exit Function

UpdOrgPartDiscErr:
```

```
    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing
    Set oRSDisc = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "UpdOrgPartDisc(...)"

    Exit Function

End Function

'=============================================================================
============
'Deletes a discount for a part for an organization.
'=============================================================================
============
Public Function DelOrgPartDisc(ByVal alOrgID As Long, ByVal alPartID As Long, ByVal
alDiscId As Long, _
        ByVal adtLastMaintDtm As Date)
    On Error GoTo DelOrgPartDiscErr

    Dim oDB As DBOrgPartDisc
    Dim lRtn As Long
    Dim sSQL As String
    Dim oRS As ADODB.Recordset

    'Allow the DB component to do the actual deletion.
    Set oDB = CtxCreateObject("DawnProd.DBOrgPartDisc")
    lRtn = oDB.DelOrgPartDisc(alOrgID, alPartID, alDiscId, adtLastMaintDtm)
    If lRtn <> 1 Then 'something went wrong
        sSQL = "SELECT Count(*) as rtn FROM org_part_disc" & _
            " WHERE org_id = " & CStr(alOrgID) & " AND part_id = " & CStr(alPartID)
& _
            " AND disc_id = " & CStr(alDiscId)
        Set oRS = GetSQLRecordset(sSQL)
        If Not oRS.EOF Then
            If oRS.Fields("rtn").Value = 0 Then
                RaiseResError DawnProdErrCodes.ecRecordAlreadyDeleted, TypeName(Me),
"DelOrgPartDisc(...)"
            Else 'Row changed between retrieve and delete.
                RaiseResError DawnProdErrCodes.ecRecordChanged, TypeName(Me),
"DelOrgPartDisc(...)"
            End If
        End If
    End If

    'Tell MTS the transaction is complete.
    CtxSetComplete

    'Release object references
    Set oDB = Nothing
    Set oRS = Nothing

    Exit Function

DelOrgPartDiscErr:
    'Release object references
```

```
    Set oDB = Nothing
    Set oRS = Nothing

    'Set return value

    'Abort the transaction
    CtxSetAbort

    'Raise the error to the calling module
    RaiseError TypeName(Me), "DelOrgPartDisc(...)"

    Exit Function

End Function
'==========================================================================
'this functions adds a mfr accepted part to mfr accepted part table
'arguments - mfr ID, source mfr ID = M&R = 0, part ID, commodity ID, prodline ID,
default source ind = 0, avilable indicator = 1
'returns none
'==========================================================================
Public Sub AddManfAcceptPart(ByVal alManfID As Long, ByVal alPartID As Long, _
                                                    ByVal alCommodityID As Long, ByVal
alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBAccept As DawnProd.DBMfrAcceptPart
    Dim lRow As Long

    'accept ind = 0  - mfr will set this thru update
    'default source - from supplier so source id = 0, but default ind = 0 , mfr will
set this thru update
    'all supplier parts are always avilable so avail ind = '1'
    'remove part and add part
    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")

    lRow = oDBAccept.RemoveMfrAcceptPart(alManfID, alPartID, 0)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddManfAcceptPart"
    End If
    'insert row into accept part table
    lRow = oDBAccept.AddMfrAcceptPart(alManfID, alPartID, 0, alCommodityID,
alProdLineID, "0", "0", "1")
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddManfAcceptPart"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_mfr_accept_part_insert", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong",
alCommodityID), _
                                                    MakeIntSPParm("aLong",
alPartID))

    'run SP for pipelines
    Call RunSP("sp_pipeline_mfr_product_add", MakeIntSPParm("aLong", alManfID), _

MakeIntSPParm("aLong", -1), _
```

```
MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alPartID))

    CtxSetComplete
    Set oDBAccept = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBAccept = Nothing
    RaiseError TypeName(Me), "AddManfAcceptPart"
    Exit Sub

End Sub
'==========================================================================
'this function adds an accepted commodity into the mfr accept table
'agruments mfr ID, source = 0 M&R, commodity ID, default source = 0, avilable
indicator = 1
'returns none
'==========================================================================
Public Sub AddManfAcceptCommodity(ByVal alManfID As Long, ByVal alCommodityID As
Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBAccept As DawnProd.DBMfrAcceptPart
    Dim lRow As Long

    'accept ind = 0  - mfr will set this thru update
    'default source - from supplier so source id = 0, but default ind = 0 , mfr will
set this thru update
    'all supplier parts are always avilable so avail ind = '1'
    'delete any earlier parts for this commodity and then add the whole commodity

    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
    lRow = oDBAccept.RemoveMfrAcceptCommodity(alManfID, alCommodityID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddManfAcceptCommodity"
    End If
    lRow = oDBAccept.AddMfrAcceptCommodity(alManfID, 0, alCommodityID, "0", "0",
"1")
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddManfAcceptCommodity"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_mfr_accept_part_insert", MakeIntSPParm("aLong", alManfID), _
                                                MakeIntSPParm("aLong", -1),
_
                                                MakeIntSPParm("aLong",
alCommodityID), _
                                                MakeIntSPParm("aLong", -1))
    'run SP for pipelines
    Call RunSP("sp_pipeline_mfr_product_add", MakeIntSPParm("aLong", alManfID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alCommodityID), _
```

```
MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBAccept = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBAccept = Nothing
    RaiseError TypeName(Me), "AddManfAcceptCommodity"
    Exit Sub

End Sub
'================================================================================
'this function adds an accepted prod line into the mfr accept part table
'argument - mfr ID, prod line ID, source = 0, default = 0 and avilable innd = 1
'returns none
'================================================================================
Public Sub AddManfAcceptProdLine(ByVal alManfID As Long, ByVal alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBAccept As DawnProd.DBMfrAcceptPart
    Dim lRow As Long

    'accept ind = 0  - mfr will set this thru update
    'default source - from supplier so source id = 0, but default ind = 0 , mfr will
set this thru update
    'all supplier parts are always avilable so avail ind = '1'
    'remove all parts for this prod line and then add all parts for the prod line

    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
    lRow = oDBAccept.RemoveMfrAcceptProdLine(alManfID, alProdLineID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddManfAcceptProdLine"
    End If
    lRow = oDBAccept.AddMfrAcceptProdLine(alManfID, 0, alProdLineID, "0", "0", "1")
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddManfAcceptProdLine"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_mfr_accept_part_insert", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1))
    'run SP for pipelines
    Call RunSP("sp_pipeline_mfr_product_add", MakeIntSPParm("aLong", alManfID), _

MakeIntSPParm("aLong", alProdLineID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBAccept = Nothing
```

```
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBAccept = Nothing
    RaiseError TypeName(Me), "AddManfAcceptProdLine"
    Exit Sub

End Sub
'================================================================================
'this function updates the default source indicator and avilable inndicator for a
part which has been accepted into the
'mfr accept part table
'arguments mfr ID, part ID, source ID, default indicator, avilable indicator
'================================================================================
Public Sub UpdateManfAcceptPart(ByVal alManfID As Long, ByVal arrPartID As Variant,
ByVal alSourceManfID As Long, _
                                                    ByVal asAcceptInd As String)
On Error GoTo ErrHandler

    Dim sPart As String
    Dim lCounter As Long
    Dim sSQL As String

    For lCounter = 0 To UBound(arrPartID)
            If lCounter = UBound(arrPartID) Then
                sPart = sPart & CStr(arrPartID(lCounter))
            Else
                sPart = sPart & CStr(arrPartID(lCounter)) & " , "
            End If
    Next
'     sPart = " ( " & sPart & " ) "
'
'     'create temp table for use by stored procedure
'     sSQL = " CREATE table #parts (part_id int)"
'     RunSQL (sSQL)
'
'     'add all the parts for all the commodities in the array into the temp table
'     sSQL = " INSERT INTO #parts SELECT part_id FROM mfr_accept_part WHERE mfr_id =
" & CStr(alManfID)
'     sSQL = sSQL & " AND src_mfr_id = " & CStr(alSourceManfID) & " AND part_id  in "
& sPart
'     RunSQL (sSQL)

    'run SP to accept and calc price
                Call RunSP("sp_mfr_accept_part_update_test", MakeIntSPParm("aLong",
alManfID), _

MakeIntSPParm("aLong", alSourceManfID), _

MakeStrSPParm("aString", 255, asAcceptInd), _

MakeStrSPParm("aString", 2, "P"), _

MakeStrSPParm("aString", 1000, sPart))

'     'vars
'     Dim oDBAccept As DawnProd.DBMfrAcceptPart
'     Dim lRow As Long
'
'     Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
'     lRow = oDBAccept.UpdateMfrAcceptPart(alManfID, alPartID, alSourceManfID,
asAcceptInd, asDefaultSourceInd, asAvailableInd)
```

```
'    If lRow <= 0 Then
'        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"UpdateManfAcceptPart"
'    End If
'
'    'run SP for ref table and update the tri state codes
'    Call RunSP("sp_mfr_accept_part_update", MakeIntSPParm("aLong", alManfID), _
'
MakeIntSPParm("aLong", alSourceManfID), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", alPartID), _
'
MakeStrSPParm("aString", 255, asAcceptInd))
'    'run SP for pipelines
'    If asAcceptInd = 1 Then
'        Call RunSP("sp_pipeline_mfr_product_add", MakeIntSPParm("aLong", alManfID),
_
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", alPartID))
'    Else
'        Call RunSP("sp_pipeline_mfr_product_remove", MakeIntSPParm("aLong",
alManfID), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", alPartID))
'    End If
'    Set oDBAccept = Nothing
    CtxSetComplete
    Exit Sub

ErrHandler:
'    Set oDBAccept = Nothing
    CtxSetAbort
    RaiseError TypeName(Me), "UpdateManfAcceptPart"
    Exit Sub

End Sub
'==========================================================================
'this function updates the accept ind for a commodity and its parts which has been
accepted into the
'mfr accept part table
'arguments mfr ID, part ID, source ID, default indicator, avilable indicator
'returns none
'==========================================================================
Public Sub UpdateManfAcceptCommodity(ByVal alManfID As Long, ByVal alSourceManfID As
Long, _
                                     ByVal arrCommodityID As
Variant, ByVal asAcceptInd As String)
On Error GoTo ErrHandler

    Dim sComm As String
    Dim lCounter As Long
```

```
    Dim sSQL As String

    For lCounter = 0 To UBound(arrCommodityID)
            If lCounter = UBound(arrCommodityID) Then
                sComm = sComm & CStr(arrCommodityID(lCounter))
            Else
                sComm = sComm & CStr(arrCommodityID(lCounter)) & " , "
            End If
    Next
'    sComm = " ( " & sComm & " ) "
'
'    'create temp table for use by stored procedure
'    sSQL = " CREATE table #parts (part_id int)"
'    RunSQL (sSQL)
'
'    'add all the parts for all the commodities in the array into the temp table
'    sSQL = " INSERT INTO #parts  SELECT part_id FROM mfr_accept_part WHERE mfr_id =
" & CStr(alManfID)
'    sSQL = sSQL & " AND src_mfr_id = " & CStr(alSourceManfID) & " AND commodity_id
in " & sComm
'    RunSQL (sSQL)

    'run SP to accept and calc price
                Call RunSP("sp_mfr_accept_part_update_test", MakeIntSPParm("aLong",
alManfID), _

MakeIntSPParm("aLong", alSourceManfID), _

MakeStrSPParm("aString", 255, asAcceptInd), _

MakeStrSPParm("aString", 2, "C"), _

MakeStrSPParm("aString", 1000, sComm))

'    'vars
'    Dim oDBAccept As DawnProd.DBMfrAcceptPart
'    Dim lRow As Long
'
'    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
'        lRow = oDBAccept.UpdateMfrAcceptCommodity(alManfID, alSourceManfID,
alCommodityID, asAcceptInd)
'    If lRow <= 0 Then
'        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"UpdateManfAcceptCommodity"
'    End If
'
'    'run SP for ref table and update the tri state codes
'    Call RunSP("sp_mfr_accept_part_update", MakeIntSPParm("aLong", alManfID), _
'                                                    MakeIntSPParm("aLong",
alSourceManfID), _
'                                                    MakeIntSPParm("aLong", -1),
_
'                                                    MakeIntSPParm("aLong",
alCommodityID), _
'                                                    MakeIntSPParm("aLong", -1),
_
'                                                    MakeStrSPParm("aString",
255, asAcceptInd))
'    'run SP for pipelines
'    If asAcceptInd = 1 Then
'        Call RunSP("sp_pipeline_mfr_product_add", MakeIntSPParm("aLong", alManfID),
_
```

```
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", alCommodityID), _
'
MakeIntSPParm("aLong", -1))
'        'run SP to update price
'        Call UpdatePrice(alManfID, -1, -1, alCommodityID)
'
'    Else
'        Call RunSP("sp_pipeline_mfr_product_remove", MakeIntSPParm("aLong",
alManfID), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", alCommodityID), _
'
MakeIntSPParm("aLong", -1))
'    End If
'
'    Set oDBAccept = Nothing

    CtxSetComplete
    Exit Sub

ErrHandler:
'    Set oDBAccept = Nothing
    CtxSetAbort
    RaiseError TypeName(Me), "UpdateManfAcceptCommodity"
    Exit Sub

End Sub
'==========================================================================
'this function updates the accept ind for a prod line , its commodities and its
parts which has been accepted into the
'mfr accept part table
'arguments mfr ID, part ID, source ID, default indicator, avilable indicator
'returns none
'==========================================================================
Public Sub UpdateManfAcceptProdLine(ByVal alManfID As Long, ByVal alSourceManfID As
Long, _
                                                    ByVal arrProdLineID As
Variant, ByVal asAcceptInd As String)
On Error GoTo ErrHandler

    Dim sProd As String
    Dim lCounter As Long
    Dim sSQL As String
    Dim sTest As String

    For lCounter = 0 To UBound(arrProdLineID)
            If lCounter = UBound(arrProdLineID) Then
                sProd = sProd & CStr(arrProdLineID(lCounter))
            Else
                sProd = sProd & CStr(arrProdLineID(lCounter)) & " , "
            End If
    Next
'    sProd = " ( " & sProd & " ) "
'
'    'create temp table for use by stored procedure
'    sSQL = " CREATE table #parts (part_id int)"
'    RunSQL (sSQL)
'
'    sTest = "before insert"
```

```
'    'add all the parts for all the commodities in the array into the temp table
'    sSQL = " INSERT INTO #parts SELECT part_id FROM mfr_accept_part WHERE mfr_id =
" & CStr(alManfID)
'    sSQL = sSQL & " AND src_mfr_id = " & CStr(alSourceManfID) & " AND prod_line_id
in " & sProd
'    RunSQL (sSQL)

    sTest = "before SP"
    'run SP to accept and calc price
                Call RunSP("sp_mfr_accept_part_update_test", MakeIntSPParm("aLong",
alManfID), _

MakeIntSPParm("aLong", alSourceManfID), _

MakeStrSPParm("aString", 255, asAcceptInd), _

MakeStrSPParm("aString", 2, "L"), _

MakeStrSPParm("aString", 1000, sProd))

'    'vars
'    Dim oDBAccept As DawnProd.DBMfrAcceptPart
'    Dim lRow As Long
'
'    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
'    lRow = oDBAccept.UpdateMfrAcceptProdLine(alManfID, alSourceManfID,
alProdLineID, asAcceptInd)
'    If lRow <= 0 Then
'        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"UpdateManfAcceptProdLine"
'    End If
'
'    'run SP for ref table and update the tri state codes
'    Call RunSP("sp_mfr_accept_part_update", MakeIntSPParm("aLong", alManfID), _
'                                                    MakeIntSPParm("aLong",
alSourceManfID), _
'                                                    MakeIntSPParm("aLong",
alProdLineID), _
'                                                    MakeIntSPParm("aLong", -1),
_
'                                                    MakeIntSPParm("aLong", -1),
_
'                                                    MakeStrSPParm("aString",
255, asAcceptInd))
'
'    'run SP for pipelines
'    If asAcceptInd = 1 Then
'        Call RunSP("sp_pipeline_mfr_product_add", MakeIntSPParm("aLong", alManfID),
_
MakeIntSPParm("aLong", alProdLineID), _
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", -1))
'        'run SP to update price
'        Call UpdatePrice(alManfID, -1, alProdLineID, -1)
'
'    Else
'        Call RunSP("sp_pipeline_mfr_product_remove", MakeIntSPParm("aLong",
alManfID), _
'
MakeIntSPParm("aLong", alProdLineID), _
```

```
'
MakeIntSPParm("aLong", -1), _
'
MakeIntSPParm("aLong", -1))
'     End If
'     Set oDBAccept = Nothing
    CtxSetComplete
    Exit Sub

ErrHandler:
'     Set oDBAccept = Nothing
    CtxSetAbort
    RaiseError TypeName(Me), "UpdateManfAcceptProdLine" & sTest
    Exit Sub

End Sub
'==========================================================================
'this function delets a part from the mfr accept part table
'arguments - mfr ID, part ID, source mfr ID
'returns none
'==========================================================================
Public Sub RemoveManfAcceptPart(ByVal alManfID As Long, ByVal alPartID As Long,
ByVal alSourceManfID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBAccept As DawnProd.DBMfrAcceptPart
    Dim lRow As Long

    'run SP for pipelines
    Call RunSP("sp_pipeline_mfr_product_remove", MakeIntSPParm("aLong", alManfID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alPartID))

    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
    lRow = oDBAccept.RemoveMfrAcceptPart(alManfID, alPartID, alSourceManfID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveManfAcceptPart"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_mfr_accept_part_delete", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong",
alPartID))


    CtxSetComplete
    Set oDBAccept = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBAccept = Nothing
```

```
    RaiseError TypeName(Me), "RemoveManfAcceptPart"
    Exit Sub

End Sub
'==========================================================================
'this function deletes a commodity and its parts from the mfr accept part table
'aguments mfr ID, commodity ID
'returns none
'==========================================================================
Public Sub RemoveManfAcceptCommodity(ByVal alManfID As Long, ByVal alCommodityID As
Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBAccept As DawnProd.DBMfrAcceptPart
    Dim lRow As Long

    'run SP for pipelines
    Call RunSP("sp_pipeline_mfr_product_remove", MakeIntSPParm("aLong", alManfID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alCommodityID), _

MakeIntSPParm("aLong", -1))

    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
    lRow = oDBAccept.RemoveMfrAcceptCommodity(alManfID, alCommodityID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveManfAcceptCommodity"
    End If


    'run SP for ref table and update the tri state codes
    Call RunSP("sp_mfr_accept_part_delete", MakeIntSPParm("aLong", alManfID), _
                                                MakeIntSPParm("aLong", -1),
_
                                                MakeIntSPParm("aLong",
alCommodityID), _
                                                MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBAccept = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBAccept = Nothing
    RaiseError TypeName(Me), "RemoveManfAcceptCommodity"
    Exit Sub

End Sub
'==========================================================================
'this function deletes the prod line , its commodity and parts of the mfr accept
part table
'arguments mfr id, prod line id
'returns none
'==========================================================================
Public Sub RemoveManfAcceptProdLine(ByVal alManfID As Long, ByVal alProdLineID As
Long)
On Error GoTo ErrHandler
```

```
    'vars
    Dim oDBAccept As DawnProd.DBMfrAcceptPart
    Dim lRow As Long

    'run SP for pipelines
    Call RunSP("sp_pipeline_mfr_product_remove", MakeIntSPParm("aLong", alManfID), _

MakeIntSPParm("aLong", alProdLineID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", -1))

    Set oDBAccept = CtxCreateObject("DawnProd.DBMfrAcceptPart")
    lRow = oDBAccept.RemoveMfrAcceptProdLine(alManfID, alProdLineID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveManfAcceptProdLine"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_mfr_accept_part_delete", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1))


    CtxSetComplete
    Set oDBAccept = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBAccept = Nothing
    RaiseError TypeName(Me), "RemoveManfAcceptProdLine"
    Exit Sub

End Sub
'================================================================================
'this function adds a part to the org avial part table - mfr allows aprt to be seen
by this org
'arguments - org ID, part ID, commodity ID, prod line ID
'returns none
'================================================================================
Public Sub AddOrgAvailPart(ByVal alOrgID As Long, ByVal alPartID As Long, ByVal
alCommodityID As Long, _
                                            ByVal alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBOrg As DawnProd.DBOrgAvailPart
    Dim lRow As Long

    'remove and add part
    Set oDBOrg = CtxCreateObject("DawnProd.DBOrgAvailPart")
    lRow = oDBOrg.RemoveOrgAvailPart(alOrgID, alPartID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddOrgAvailPart"
```

```
    End If
    lRow = oDBOrg.AddOrgAvailPart(alOrgID, alPartID, alCommodityID, alProdLineID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddOrgAvailPart"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_org_avail_part_insert", MakeIntSPParm("aLong", alOrgID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong",
alPartID))

    'run SP for pipelines
    Call RunSP("sp_pipeline_org_product_add", MakeIntSPParm("aLong", alOrgID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alPartID))

    CtxSetComplete
    Set oDBOrg = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "AddOrgAvailPart"
    Exit Sub
End Sub
'=============================================================================
'this function adds a commodity and its parts  to the org avial part table - mfr
allows commodity to be seen by this org
'arguments - org ID, commodity ID
'returns none
'=============================================================================
Public Sub AddOrgAvailCommodity(ByVal alOrgID As Long, ByVal alCommodityID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBOrg As DawnProd.DBOrgAvailPart
    Dim lRow As Long

    'remove all org avail parts for this commodity first and then all parts for this
commodity

    Set oDBOrg = CtxCreateObject("DawnProd.DBOrgAvailPart")
    lRow = oDBOrg.RemoveOrgAvailCommodity(alOrgID, alCommodityID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddOrgAvailCommodity"
    End If
    lRow = oDBOrg.AddOrgAvailCommodity(alOrgID, alCommodityID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddOrgAvailCommodity"
    End If
```

```
    'run SP for ref table and update the tri state codes
    Call RunSP("sp_org_avail_part_insert", MakeIntSPParm("aLong", alOrgID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong",
alCommodityID), _
                                                    MakeIntSPParm("aLong", -1))
    'run SP for pipelines
    Call RunSP("sp_pipeline_org_product_add", MakeIntSPParm("aLong", alOrgID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alCommodityID), _

MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBOrg = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "AddOrgAvailCommodity"
    Exit Sub
End Sub
'================================================================================
'this function adds a prod line, its commodities and its parts  to the org avial
part table - mfr allows prod line to be seen by this org
'arguments - org ID, prod line ID
'returns none
'================================================================================
Public Sub AddOrgAvailProdLine(ByVal alOrgID As Long, ByVal alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBOrg As DawnProd.DBOrgAvailPart
    Dim lRow As Long

    'remove all existing parts for the prodline first and then add all parts for
this prod line
    Set oDBOrg = CtxCreateObject("DawnProd.DBOrgAvailPart")
    lRow = oDBOrg.RemoveOrgAvailProdLine(alOrgID, alProdLineID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddOrgAvailProdLine"
    End If
    lRow = oDBOrg.AddOrgAvailProdLine(alOrgID, alProdLineID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddOrgAvailProdLine"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_org_avail_part_insert", MakeIntSPParm("aLong", alOrgID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1))
```

```
    'run SP for pipelines
    Call RunSP("sp_pipeline_org_product_add", MakeIntSPParm("aLong", alOrgID), _
MakeIntSPParm("aLong", alProdLineID), _
MakeIntSPParm("aLong", -1), _
MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBOrg = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "AddOrgAvailProdLine"
    Exit Sub
End Sub
'==========================================================================
'this function removes a part from the org avail part table - mfr removes it from
org listing
'arguments - org ID, part ID
'returns none
'==========================================================================
Public Sub RemoveOrgAvailPart(ByVal alOrgID As Long, ByVal alPartID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBOrg As DawnProd.DBOrgAvailPart
    Dim lRow As Long

    'run SP for pipelines
    Call RunSP("sp_pipeline_org_product_remove", MakeIntSPParm("aLong", alOrgID), _
MakeIntSPParm("aLong", -1), _
MakeIntSPParm("aLong", -1), _
MakeIntSPParm("aLong", alPartID))

    Set oDBOrg = CtxCreateObject("DawnProd.DBOrgAvailPart")
    lRow = oDBOrg.RemoveOrgAvailPart(alOrgID, alPartID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveOrgAvailPart"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_org_avail_part_delete", MakeIntSPParm("aLong", alOrgID), _
                                           MakeIntSPParm("aLong", -1),
_
                                           MakeIntSPParm("aLong", -1),
_
                                           MakeIntSPParm("aLong",
alPartID))


    CtxSetComplete
    Set oDBOrg = Nothing
```

```
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "RemoveOrgAvailPart"
    Exit Sub
End Sub
'==========================================================================
'this function removes a commodity from the org avail part table - mfr removes it
from org listing
'arguments - org ID, commodity ID
'returns none
'==========================================================================
Public Sub RemoveOrgAvailCommodity(ByVal alOrgID As Long, ByVal alCommodityID As
Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBOrg As DawnProd.DBOrgAvailPart
    Dim lRow As Long

    'run SP for pipelines
    Call RunSP("sp_pipeline_org_product_remove", MakeIntSPParm("aLong", alOrgID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", alCommodityID), _

MakeIntSPParm("aLong", -1))

    Set oDBOrg = CtxCreateObject("DawnProd.DBOrgAvailPart")
    lRow = oDBOrg.RemoveOrgAvailCommodity(alOrgID, alCommodityID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveOrgAvailCommodity"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_org_avail_part_delete", MakeIntSPParm("aLong", alOrgID), _
                                           MakeIntSPParm("aLong", -1),
_
                                           MakeIntSPParm("aLong",
alCommodityID), _
                                           MakeIntSPParm("aLong", -1))


    CtxSetComplete
    Set oDBOrg = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "RemoveOrgAvailCommodity"
    Exit Sub
End Sub
'==========================================================================
'this function removes a prodline, its commodities and parts from the org avail part
table - mfr removes it from org listing
'arguments - org ID, prod line ID
```

```
'returns none
'==========================================================================
Public Sub RemoveOrgAvailProdLine(ByVal alOrgID As Long, ByVal alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBOrg As DawnProd.DBOrgAvailPart
    Dim lRow As Long

    'run SP for pipelines
    Call RunSP("sp_pipeline_org_product_remove", MakeIntSPParm("aLong", alOrgID), _

MakeIntSPParm("aLong", alProdLineID), _

MakeIntSPParm("aLong", -1), _

MakeIntSPParm("aLong", -1))

    Set oDBOrg = CtxCreateObject("DawnProd.DBOrgAvailPart")
    lRow = oDBOrg.RemoveOrgAvailProdLine(alOrgID, alProdLineID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveOrgAvailProdLine"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_org_avail_part_delete", MakeIntSPParm("aLong", alOrgID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1))


    CtxSetComplete
    Set oDBOrg = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBOrg = Nothing
    RaiseError TypeName(Me), "RemoveOrgAvailProdLine"
    Exit Sub
End Sub
'==========================================================================
'this function adds a part to the default avial part table - mfr allows aprt to be
seen by non org members
'arguments - mfr ID, part ID, commodity ID, prod line ID
'returns none
'==========================================================================
Public Sub AddDfltAvailPart(ByVal alManfID As Long, ByVal alPartID As Long, ByVal
alCommodityID As Long, _
                                                ByVal alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBDflt As DawnProd.DBDfltAvailPart
    Dim lRow As Long

    'rmove the part if it already exists and re add the part
    Set oDBDflt = CtxCreateObject("DawnProd.DBDfltAvailPart")
    lRow = oDBDflt.RemoveDfltAvailPart(alManfID, alPartID)
```

```
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddDfltAvailPart"
    End If
    lRow = oDBDflt.AddDfltAvailPart(alManfID, alPartID, alCommodityID, alProdLineID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddDfltAvailPart"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_dflt_avail_part_insert", MakeIntSPParm("aLong", alManfID), _
                                                MakeIntSPParm("aLong", -1),
_
                                                MakeIntSPParm("aLong", -1),
_
                                                MakeIntSPParm("aLong",
alPartID))

    CtxSetComplete
    Set oDBDflt = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBDflt = Nothing
    RaiseError TypeName(Me), "AddDfltAvailPart"
    Exit Sub
End Sub
'==========================================================================
'this function adds a commodity and its parts  to the default avial part table - mfr
allows commodity to be seen by non org members
'arguments - mfr ID, commodity ID
'returns none
'==========================================================================
Public Sub AddDfltAvailCommodity(ByVal alManfID As Long, ByVal alCommodityID As
Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBDflt As DawnProd.DBDfltAvailPart
    Dim lRow As Long

    'remove existing parts for this commodity and then add all parts in this
commodity
    Set oDBDflt = CtxCreateObject("DawnProd.DBDfltAvailPart")
    lRow = oDBDflt.RemoveDfltAvailCommodity(alManfID, alCommodityID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddDfltAvailCommodity"
    End If
    lRow = oDBDflt.AddDfltAvailCommodity(alManfID, alCommodityID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddDfltAvailCommodity"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_dflt_avail_part_insert", MakeIntSPParm("aLong", alManfID), _
                                                MakeIntSPParm("aLong", -1),
_
                                                MakeIntSPParm("aLong",
```

```
alCommodityID), _
                                                    MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBDflt = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBDflt = Nothing
    RaiseError TypeName(Me), "AddDfltAvailCommodity"
    Exit Sub
End Sub
'==========================================================================
'this function adds a prod line, its commodities and its parts  to the default avial
part table
'mfr allows prod line to be seen by non org members
'arguments - mfr ID, prod line ID
'returns none
'==========================================================================
Public Sub AddDfltAvailProdLine(ByVal alManfID As Long, ByVal alProdLineID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBDflt As DawnProd.DBDfltAvailPart
    Dim lRow As Long

    'remove all existing parts for this prod line and then add the whole prod line
    Set oDBDflt = CtxCreateObject("DawnProd.DBDfltAvailPart")
    lRow = oDBDflt.RemoveDfltAvailProdLine(alManfID, alProdLineID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"AddDfltAvailProdLine"
    End If
    lRow = oDBDflt.AddDfltAvailProdLine(alManfID, alProdLineID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecInsertFailed, TypeName(Me),
"AddDfltAvailProdLine"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_dflt_avail_part_insert", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1))
    CtxSetComplete
    Set oDBDflt = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBDflt = Nothing
    RaiseError TypeName(Me), "AddDfltAvailProdLine"
    Exit Sub
End Sub
'==========================================================================
'this function removes a part from the default avail part table - mfr removes it
from non org member display
'arguments - mfr ID, part ID
```

```
'returns none
'==========================================================================
Public Sub RemoveDfltAvailPart(ByVal alManfID As Long, ByVal alPartID As Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBDflt As DawnProd.DBDfltAvailPart
    Dim lRow As Long

    Set oDBDflt = CtxCreateObject("DawnProd.DBDfltAvailPart")
    lRow = oDBDflt.RemoveDfltAvailPart(alManfID, alPartID)
    If lRow <= 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveDfltAvailPart"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_dflt_avail_part_delete", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong",
alPartID))

    CtxSetComplete
    Set oDBDflt = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBDflt = Nothing
    RaiseError TypeName(Me), "RemoveDfltAvailPart"
    Exit Sub
End Sub
'==========================================================================
'this function removes a commodity from the default avail part table - mfr removes
it from member listing
'arguments - mfr ID, commodity ID
'returns none
'==========================================================================
Public Sub RemoveDfltAvailCommodity(ByVal alManfID As Long, ByVal alCommodityID As
Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBDflt As DawnProd.DBDfltAvailPart
    Dim lRow As Long

    Set oDBDflt = CtxCreateObject("DawnProd.DBDfltAvailPart")
    lRow = oDBDflt.RemoveDfltAvailCommodity(alManfID, alCommodityID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveDfltAvailCommodity"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_dflt_avail_part_delete", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong",
alCommodityID), _
```

```
                                                    MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBDflt = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBDflt = Nothing
    RaiseError TypeName(Me), "RemoveDfltAvailCommodity"
    Exit Sub
End Sub
'============================================================================
'this function removes a prodline, its commodities and parts from the default avail
part table - mfr removes it from member listing
'arguments - mfr ID, prod line ID
'returns none
'============================================================================
Public Sub RemoveDfltAvailProdLine(ByVal alManfID As Long, ByVal alProdLineID As
Long)
On Error GoTo ErrHandler

    'vars
    Dim oDBDflt As DawnProd.DBDfltAvailPart
    Dim lRow As Long

    Set oDBDflt = CtxCreateObject("DawnProd.DBDfltAvailPart")
    lRow = oDBDflt.RemoveDfltAvailProdLine(alManfID, alProdLineID)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemoveDfltAvailProdLine"
    End If

    'run SP for ref table and update the tri state codes
    Call RunSP("sp_dflt_avail_part_delete", MakeIntSPParm("aLong", alManfID), _
                                                    MakeIntSPParm("aLong",
alProdLineID), _
                                                    MakeIntSPParm("aLong", -1),
_
                                                    MakeIntSPParm("aLong", -1))

    CtxSetComplete
    Set oDBDflt = Nothing

    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDBDflt = Nothing
    RaiseError TypeName(Me), "RemoveDfltAvailProdLine"
    Exit Sub
End Sub

'============================================================================
'this function nulls the color from the part
'args part ID, last maint dtm
'returns long
'============================================================================
Public Sub RemPartColor(ByVal alPartID, ByVal adMaintDate As Date)
    On Error GoTo ErrHandler

    Dim oDB As DawnProd.DBPart
```

```
    Dim lRow As Long

    Set oDB = CtxCreateObject("DawnProd.DBPart")
    lRow = oDB.RemPartColor(alPartID, adMaintDate)
    If lRow <> 1 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemPartColor"
    End If
    CtxSetComplete
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "RemPartColor"
    Exit Sub

End Sub
'================================================================================
'this function nulls the stamp face for a commodity
'args - commodity ID, last maint date
'returns long - no of rows affected
'================================================================================
Public Sub RemCommStampface(ByVal alCommodityID As Long, ByVal adMaintDate As Date)
On Error GoTo ErrHandler

    'vars
    Dim oDB As DawnProd.DBComm
    Dim lRow As Long

    Set oDB = CtxCreateObject("DawnProd.DBComm")
    lRow = oDB.RemCommStampface(alCommodityID, adMaintDate)

    If lRow <> 1 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"RemCommStampface"
    End If
    CtxSetComplete
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "RemCommStampface"
    Exit Sub

End Sub

'================================================================================
============
'this function calls the price update procedure with relavant parameters
'returns none
'================================================================================
============
Public Sub UpdatePrice(ByVal alManfID As Long, ByVal alOrgID As Long, _
                       ByVal alProdLineID As Long, ByVal alCommodityID As Long)
On Error GoTo ErrHandler

    Dim sSQL As String
    Dim oRS As ADODB.Recordset
```

```
    'call the procedure for updating ref table prices
    Call RunSP("sp_update_price", MakeIntSPParm("aLong", alManfID), _
                                  MakeIntSPParm("aLong", alOrgID), _
                                  MakeIntSPParm("aLong", alProdLineID), _
                                  MakeIntSPParm("aLong", alCommodityID))


    'call procedure for all orgs which have this prod line also, if mfr is being
updated
    If alManfID > 0 Then
                sSQL = " SELECT DISTINCT org.org_id FROM org  , org_prod_ref  WHERE
org.mfr_id = " & CStr(alManfID)
                sSQL = sSQL & " AND org.org_id = org_prod_ref.org_id "
                If alProdLineID > 0 Then
                    sSQL = sSQL & " AND org_prod_ref.prod_line_id = " &
CStr(alProdLineID)
                ElseIf alCommodityID > 0 Then
                    sSQL = sSQL & " AND org_prod_ref.commodity_id = " &
CStr(alCommodityID)
                End If
                Set oRS = GetSQLRecordset(sSQL)

                If Not oRS.EOF Then
                    oRS.MoveFirst
                    Do While Not oRS.EOF
                                        Call RunSP("sp_update_price",
MakeIntSPParm("aLong", -1), _
                                        MakeIntSPParm("aLong", CLng(oRS("org_id"))),
_
                                        MakeIntSPParm("aLong", alProdLineID), _
                                        MakeIntSPParm("aLong", alCommodityID))
                    oRS.MoveNext
                    Loop
                End If
    End If

    Set oRS = Nothing
    CtxSetComplete
    Exit Sub

ErrHandler:
    Set oRS = Nothing
    CtxSetAbort
    RaiseError TypeName(Me), "UpdatePrice"
    Exit Sub

End Sub

'=============================================================================
============
'deletes pricing information for a part associated with a manufacturer.
'returns none
'=============================================================================
============
Public Sub DelManfPartPr(ByVal alManfID As Long, ByVal alPartID As Long, ByVal
adLastMaintdate As Date)
    On Error GoTo ErrHandler

    'vars
    Dim oDB As DawnProd.DBPartPricing
    Dim lRow As Long

    'call DB function
```

```
    Set oDB = CtxCreateObject("DawnProd.DBPartPricing")
    lRow = oDB.DelManfPartPr(alManfID, alPartID, adLastMaintdate)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"DelManfPartPr"
    End If

    CtxSetComplete
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "DelManfPartPr"
    Exit Sub

End Sub

'=============================================================================
============
'deletes pricing information for a commodity associated with a manufacturer.
'returns none
'=============================================================================
============
Public Sub DelManfCommPr(ByVal alManfID As Long, ByVal alCommodityID As Long, ByVal
adLastMaintdate As Date)
    On Error GoTo ErrHandler

    'vars
    Dim oDB As DawnProd.DBCommPricing
    Dim lRow As Long

    'call DB function
    Set oDB = CtxCreateObject("DawnProd.DBCommPricing")
    lRow = oDB.DelManfCommPr(alManfID, alCommodityID, adLastMaintdate)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"DelManfCommPr"
    End If

    CtxSetComplete
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "DelManfCommPr"
    Exit Sub

End Sub

'=============================================================================
============
'deletes pricing information for a prod line associated with a manufacturer.
'returns none
'=============================================================================
============
Public Sub DelManfProdLinePr(ByVal alManfID As Long, ByVal alProdLineID As Long,
ByVal adLastMaintdate As Date)
    On Error GoTo ErrHandler
```

```
    'vars
    Dim oDB As DawnProd.DBProdLinePricing
    Dim lRow As Long

    'call DB function
    Set oDB = CtxCreateObject("DawnProd.DBProdLinePricing")
    lRow = oDB.DelManfProdLinePr(alManfID, alProdLineID, adLastMaintdate)
    If lRow < 0 Then
        RaiseResError DawnProd.DawnProdErrCodes.ecDeleteFailed, TypeName(Me),
"DelManfProdLinePr"
    End If

    CtxSetComplete
    Set oDB = Nothing
    Exit Sub

ErrHandler:
    CtxSetAbort
    Set oDB = Nothing
    RaiseError TypeName(Me), "DelManfProdLinePr"
    Exit Sub

End Sub

'============================================================================
'this function subscribes a mfr to a pipeline and then adds all the pipeline parts
to the accept table
'mfr ID, subscription code
'returns none
'============================================================================
Public Sub PipelineSubscribe(ByVal alManfID As Long, ByVal asSubCode As String,
ByVal alSecurityCode As Long)
    On Error GoTo ErrHandler

    'vars
    Dim oOrg As Object
    Dim lOrg As Long
    Dim oCtx As ObjectContext
    Dim oRS As ADODB.Recordset

    'disable commit
    Set oCtx = GetObjectContext()
    If Not oCtx Is Nothing Then
        oCtx.DisableCommit
    End If

    'create org and set subscribe
    Set oOrg = CtxCreateObject("DawnOrg.BOrg")
    Set oRS = oOrg.PipelineSubscribe(alManfID, asSubCode, alSecurityCode)

    If oRS.EOF Then
        RaiseResError DawnProd.DawnProdErrCodes.ecSubscribeFailed, TypeName(Me),
"PipelineSubscribe"
    End If

    'unsubscribe if the mfr was a single source mfr
    If Not IsNull(oRS("old_org_id")) Then
        lOrg = oRS("old_org_id")
        If lOrg > 0 Then
            Call RunSP("sp_pipeline_org_remove", MakeIntSPParm("aLong", lOrg))
        End If
    End If
```

```
    'run the SP for subscribe
    lOrg = oRS("org_id")
    Call RunSP("sp_pipeline_org_add", MakeIntSPParm("aLong", lOrg))

    'end function and enable commit
    If Not oCtx Is Nothing Then
        oCtx.EnableCommit
    End If
    CtxSetComplete
    Set oOrg = Nothing
    Set oCtx = Nothing
    Set oRS = Nothing
    Exit Sub

ErrHandler:
    'enable commit
    If Not oCtx Is Nothing Then
        oCtx.EnableCommit
    End If
    CtxSetAbort
    Set oOrg = Nothing
    Set oCtx = Nothing
    Set oRS = Nothing
    RaiseError TypeName(Me), "PipelineSubscribe"
End Sub

'=============================================================================
'this function subscribes a mfr to a pipeline and then adds all the pipeline parts
to the accept table
'mfr ID, subscription code
'returns none
'this function is not used anymore - uday 3/6/00
'=============================================================================
'Public Sub PipelineUnsubscribe(ByVal alManfID As Long, ByVal alSrcManfID As Long)
'    On Error GoTo ErrHandler
'
'    'vars
'    Dim oOrg As Object
'    Dim oRs As ADODB.Recordset
'    Dim sSQL As String
'    Dim lOrg As Long
'    Dim oCtx As ObjectContext
'
'    'disable commit
'    Set oCtx = GetObjectContext()
'    If Not oCtx Is Nothing Then
'        oCtx.DisableCommit
'    End If
'
'    'create org and set subscribe
'    Set oOrg = CtxCreateObject("DawnOrg.BOrg")
'    If Not oOrg.PipelineUnsubscribe(alManfID) Then
'        RaiseResError DawnProd.DawnProdErrCodes.ecUnSubscribeFailed, TypeName(Me),
"PipelineUnsubscribe"
'    End If
'
'    'get pipeline org
'    sSQL = "SELECT mfr_id , org_id , pl_mfr_id FROM org "
'    sSQL = sSQL & " WHERE mfr_id = " & CStr(alSrcManfID)
'    sSQL = sSQL & " AND pl_mfr_id = " & CStr(alManfID)
'    Set oRs = GetSQLRecordset(sSQL)
'
```

```
'    'run the SP for subscribe
'    If oRs.RecordCount > 0 Then
'        lOrg = oRs("org_id")
'        Call RunSP("sp_pipeline_org_remove", MakeIntSPParm("aLong", lOrg))
'    End If
'
'    'end function and enable commit
'    If Not oCtx Is Nothing Then
'        oCtx.EnableCommit
'    End If
'    CtxSetComplete
'    Set oOrg = Nothing
'    Set oCtx = Nothing
'    Exit Sub
'
'ErrHandler:
'    If Not oCtx Is Nothing Then
'        oCtx.EnableCommit
'    End If
'    CtxSetAbort
'    Set oOrg = Nothing
'    Set oCtx = Nothing
'    RaiseError TypeName(Me), "PipelineUnsubscribe"
'End Sub

'================================================================================
'this function sets the default mfr source for a product using a procedure
'args - mfr ID, source mfr iD, prodline ID or commodity ID or part ID
'returns none if no errpr
'================================================================================
Public Sub UpdateDefaultSource(ByVal alManfID As Long, ByVal alSourceManfID As Long,
ByVal alProdLineID As Long, _
                                                    ByVal alCommodityID As Long, ByVal
alPartID As Long)
    On Error GoTo ErrHandler

    'set up IDs
    If alProdLineID > 0 Then
        alCommodityID = -1
        alPartID = -1
    End If
    If alCommodityID > 0 Then
        alProdLineID = -1
        alPartID = -1
    End If
    If alPartID > 0 Then
        alProdLineID = -1
        alCommodityID = -1
    End If

    'run SP
    Call RunSP("sp_set_default_source", MakeIntSPParm("aLong", alManfID), _
                                                        MakeIntSPParm("aLong",
alSourceManfID), _
                                                        MakeIntSPParm("aLong",
alProdLineID), _
                                                        MakeIntSPParm("aLong",
alCommodityID), _
                                                        MakeIntSPParm("aLong",
alPartID))

    'exit
    CtxSetComplete
```

```
    Exit Sub

ErrHandler:
    CtxSetAbort
    RaiseError TypeName(Me), "UpdateDefaultSource"
    Exit Sub
End Sub
```